



«Tit» «Name» «Fam_Nam»
«Organization»
«Address1»
«Address_2»
«PO_Box» «City». «Country»

Sevilla, January, 2019

Proficiency Test 2018-2

Laboratory Code: «**Lab_code**»

Dear participants,

Enclosed you will find the report of the Proficiency Test 2018-2 on Drugs of Abuse in Hair, organized by the Society of Hair Testing.

Each of the participating laboratories received an identifying code. Your particular code is «**Lab_code**».

Sets of three samples were sent to sixty-three participating laboratories. Fifty-eight of them sent the report forms back.

Sample contents were as follows:

- * Sample A contained opiates (6-MAM, morphine and traces of codeine), cocaine (cocaine, BE, norcocaine and cocaethylene), amphetamine compounds (amphetamine, methamphetamine, MDMA and traces of MDA) and cannabis (THC, CBD, CBN and THC-COOH). It also contained traces of methadone, dihydrocodeine, tramadol, diazepam and nordazepam.
- * Sample B contained opiates (6-MAM, morphine and codeine), cocaine (cocaine, BE, norcocaine and traces of cocaethylene), cannabis (THC, CBD, CBN and THC-COOH). It also contained methadone, EDDP, tramadol, diazepam, nordiazepam, hydromorphone and traces of amphetamine compounds (amphetamine, methamphetamine and MDMA) and dihydrocodeine.
- * Sample C contained cannabis (THC, CBD, CBN and THC-COOH), and traces of opiates (6-MAM, morphine and codeine), cocaine (cocaine, BE, cocaethylene and norcocaine), diazepam and nordazepam. It also contained methadone and tramadol.

Z-score

Z-score has been calculated based on robust estimators (median instead of mean and interquartile instead of standard deviation).

Z-score has been calculated as follows:

$$\text{Z-score} = (x - \chi) / \text{IQR}$$

Where:

x: Concentration reported by the participant

χ : Median concentration obtained from the participating laboratories

IQR: Interquartile range: It is calculated as: Q3-Q1 (the upper quartile minus the lower quartile)

Q3: Third quartile (percentile 75)

Q1: First quartile (percentile 25)

Decision criteria

The following criteria have been adopted:

Satisfactory results: $Z\text{-score} \leq \pm 2$

Questionable results: $2 < Z\text{-score} \leq 3$

Unsatisfactory results: $Z\text{-score} \geq 3$

Yours faithfully,

Carmen Jurado

QUALITATIVE RESULTS

Laboratory Code:

| Sample A | | | | Sample B | | | | Sample C | | | |
|------------------------|---|---|---|------------|---|---|---|------------|---|---|---|
| Substances | A | T | F | Substances | A | T | F | Substances | A | T | F |
| MAM | | P | | MAM | | P | | THC | | P | |
| Morphine | | P | | Morphine | | P | | THC-COOH | | P | |
| Cocaine | | P | | Codeine | | P | | Methadone | | P | |
| BE | | P | | Cocaine | | P | | Tramadol | | P | |
| Amphetamine | | P | | BE | | P | | | | | |
| Methamphetamine | | P | | THC | | P | | | | | |
| MDMA | | P | | THC-COOH | | P | | | | | |
| THC | | P | | Methadone | | P | | | | | |
| THC-COOH | | P | | Tramadol | | P | | | | | |
| Methadone ¹ | | P | | Diazepam | | P | | | | | |
| | | | | Nordazepam | | P | | | | | |

- The median concentration of Methadone in Sample A is 0,14 ng/mg, which is lower than the cut-off proposed by SoHT (0,2 ng/mg).

A: Your answer

T: True answer

F: False answer

P: Positive

N: Negative

Tr.: Traces

NR: Not reported

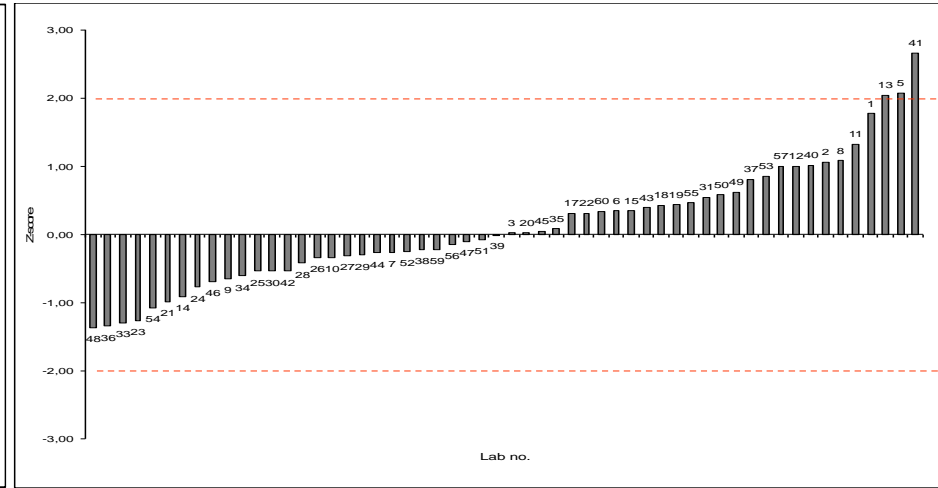
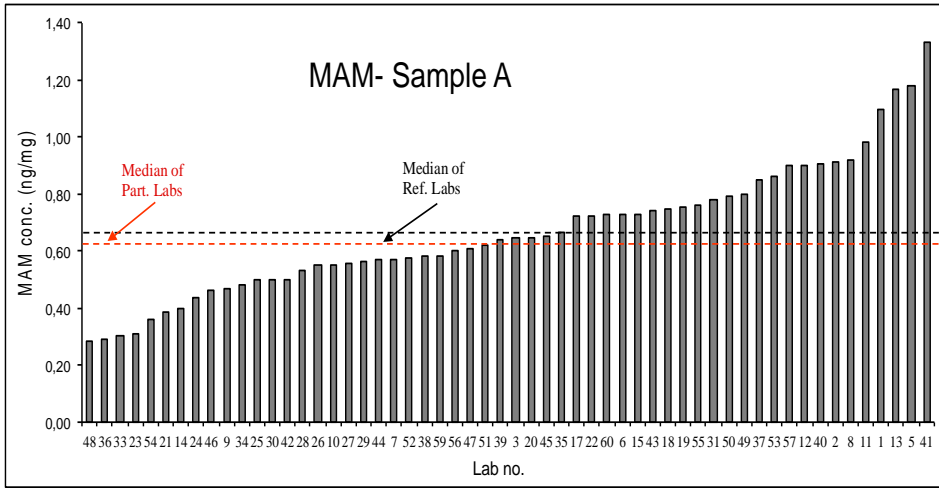
NA: Not analyzed

FN: False Negative

FP: False Positive

Comments:

- Sample A contains norcocaine (0,08 ng/mg, median conc.), cocaethylene (0,12 ng/mg, median conc.), and traces of Codeine (0,06 ng/mg, median conc.), MDA (0,02 ng/mg, median conc.), EDDP (0,01 ng/mg, median conc.), tramadol (0,05 ng/mg, median conc.), diazepam (0,01 ng/mg, median conc.), nordazepam (0,01 ng/mg, median conc.), dihydrocodeine and ketamine.
- Sample B contains norcocaine (0,09 ng/mg, median conc.), EDDP (0,08 ng/mg, median conc.), dihydrocodeine, hydromorphone and traces of hydrocodone, cocaethylene (0,02 ng/mg, median conc.), amphetamine (0,07 ng/mg, median conc.), methamphetamine (0,07 ng/mg, median conc.), MDMA (0,04 ng/mg, median conc.).
- Sample C contains traces of MAM (0,08 ng/mg, median conc.), morphine (0,05 ng/mg, median conc.), codeine (0,01 ng/mg, median conc.), cocaine (0,07 ng/mg, median conc.), BE (0,09 ng/mg, median conc.), norcocaine (0,006 ng/mg, median conc.), cocaethylene (0,005 ng/mg, median conc.), diazepam (0,01 ng/mg, median conc.) and nordazepam (0,0095 ng/mg, median conc.).

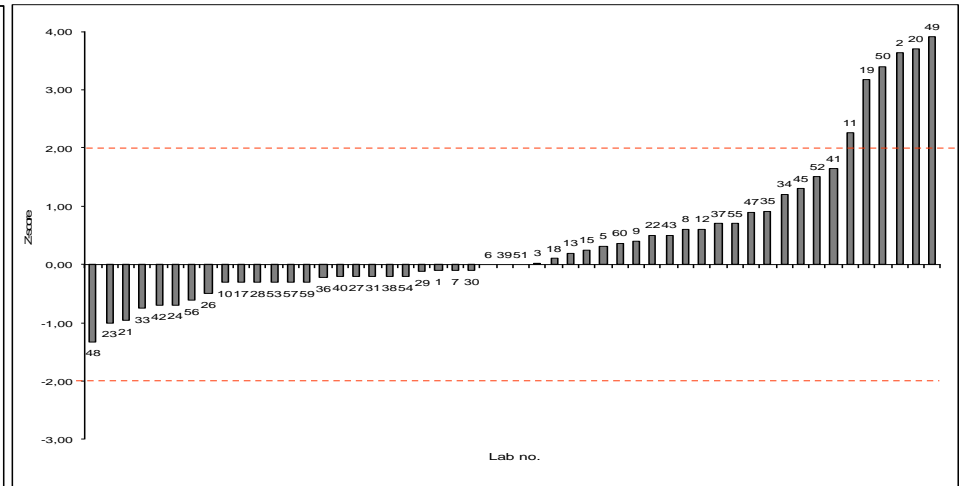
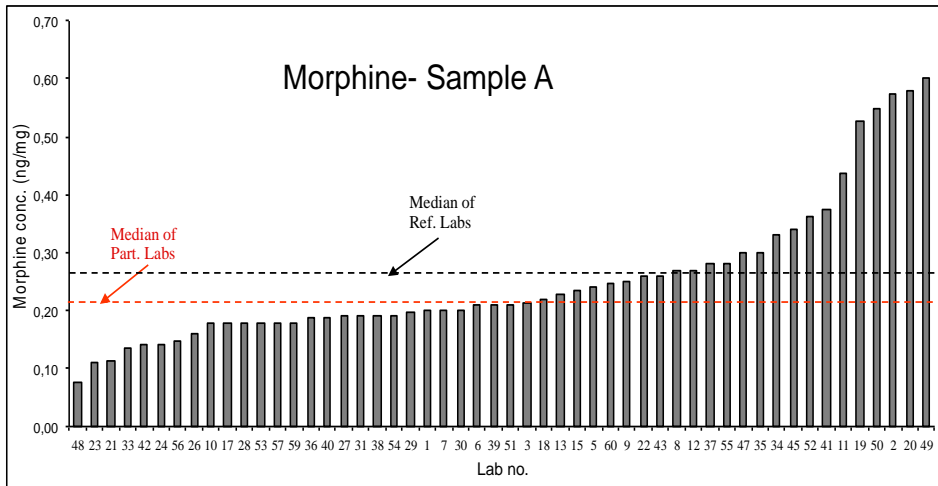


| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 48 | 0,28 | -1,37 | Satisfactory |
| 36 | 0,29 | -1,35 | Satisfactory |
| 33 | 0,30 | -1,30 | Satisfactory |
| 23 | 0,31 | -1,27 | Satisfactory |
| 54 | 0,36 | -1,08 | Satisfactory |
| 21 | 0,38 | -0,98 | Satisfactory |
| 14 | 0,40 | -0,92 | Satisfactory |
| 24 | 0,44 | -0,77 | Satisfactory |
| 46 | 0,46 | -0,69 | Satisfactory |
| 9 | 0,47 | -0,65 | Satisfactory |
| 34 | 0,48 | -0,62 | Satisfactory |
| 25 | 0,50 | -0,54 | Satisfactory |
| 30 | 0,50 | -0,54 | Satisfactory |
| 42 | 0,50 | -0,54 | Satisfactory |
| 28 | 0,53 | -0,42 | Satisfactory |
| 26 | 0,55 | -0,35 | Satisfactory |
| 10 | 0,55 | -0,34 | Satisfactory |
| 27 | 0,56 | -0,31 | Satisfactory |
| 29 | 0,56 | -0,30 | Satisfactory |
| 44 | 0,57 | -0,28 | Satisfactory |
| 7 | 0,57 | -0,27 | Satisfactory |
| 52 | 0,57 | -0,25 | Satisfactory |
| 38 | 0,58 | -0,23 | Satisfactory |
| 59 | 0,58 | -0,23 | Satisfactory |
| 56 | 0,60 | -0,15 | Satisfactory |
| 47 | 0,61 | -0,12 | Satisfactory |

| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 51 | 0,62 | -0,08 | Satisfactory |
| 39 | 0,64 | -0,01 | Satisfactory |
| 3 | 0,65 | 0,02 | Satisfactory |
| 20 | 0,65 | 0,02 | Satisfactory |
| 45 | 0,65 | 0,04 | Satisfactory |
| 35 | 0,66 | 0,08 | Satisfactory |
| 17 | 0,72 | 0,31 | Satisfactory |
| 22 | 0,72 | 0,31 | Satisfactory |
| 60 | 0,73 | 0,34 | Satisfactory |
| 6 | 0,73 | 0,35 | Satisfactory |
| 15 | 0,73 | 0,35 | Satisfactory |
| 43 | 0,74 | 0,38 | Satisfactory |
| 18 | 0,75 | 0,42 | Satisfactory |
| 19 | 0,75 | 0,43 | Satisfactory |
| 55 | 0,76 | 0,46 | Satisfactory |
| 31 | 0,78 | 0,54 | Satisfactory |
| 50 | 0,79 | 0,58 | Satisfactory |
| 49 | 0,80 | 0,62 | Satisfactory |
| 37 | 0,85 | 0,81 | Satisfactory |
| 53 | 0,86 | 0,85 | Satisfactory |
| 57 | 0,90 | 1,00 | Satisfactory |
| 12 | 0,90 | 1,00 | Satisfactory |
| 40 | 0,90 | 1,02 | Satisfactory |
| 2 | 0,92 | 1,06 | Satisfactory |
| 8 | 0,92 | 1,08 | Satisfactory |
| 11 | 0,98 | 1,32 | Satisfactory |

| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 1 | 1,10 | 1,77 | Satisfactory |
| 13 | 1,17 | 2,04 | Questionable |
| 5 | 1,18 | 2,07 | Questionable |
| 41 | 1,33 | 2,65 | Questionable |
| 58 | N | | |

| | |
|-------------|-------|
| Average | 0,67 |
| SD | 0,23 |
| CV% | 33,87 |
| Median | 0,64 |
| Minimum | 0,28 |
| Quartile 25 | 0,52 |
| Quartile 75 | 0,78 |
| Maximum | 1,33 |
| Iqr | 0,26 |

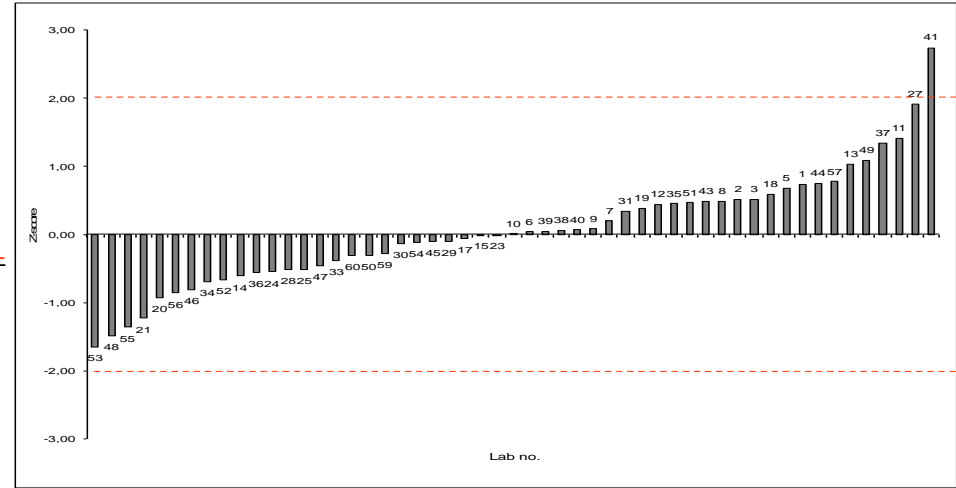
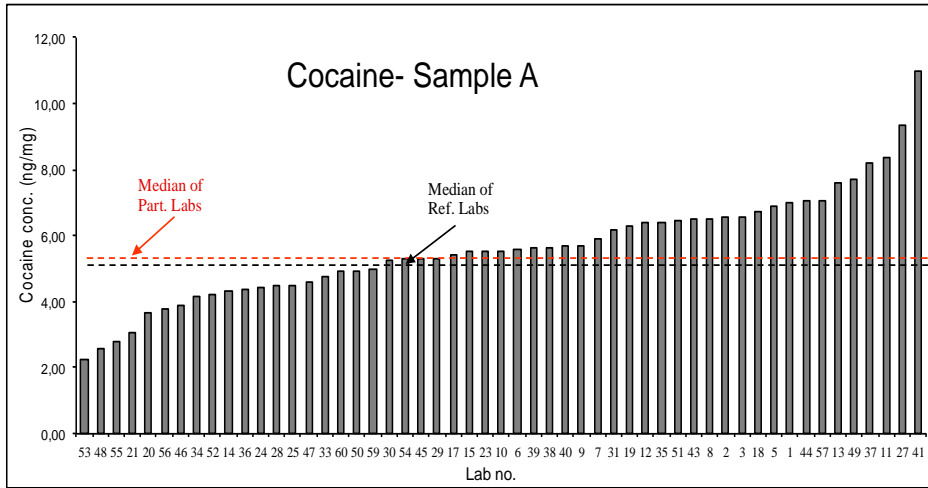


| Lab | Morphine (ng/mg) | Z-score | Result |
|-----|------------------|---------|--------------|
| 48 | 0,08 | -1,33 | Satisfactory |
| 23 | 0,11 | -1,00 | Satisfactory |
| 21 | 0,11 | -0,96 | Satisfactory |
| 33 | 0,14 | -0,75 | Satisfactory |
| 42 | 0,14 | -0,70 | Satisfactory |
| 24 | 0,14 | -0,69 | Satisfactory |
| 56 | 0,15 | -0,62 | Satisfactory |
| 26 | 0,16 | -0,50 | Satisfactory |
| 10 | 0,18 | -0,30 | Satisfactory |
| 17 | 0,18 | -0,30 | Satisfactory |
| 28 | 0,18 | -0,30 | Satisfactory |
| 53 | 0,18 | -0,30 | Satisfactory |
| 57 | 0,18 | -0,30 | Satisfactory |
| 59 | 0,18 | -0,30 | Satisfactory |
| 36 | 0,19 | -0,22 | Satisfactory |
| 40 | 0,19 | -0,21 | Satisfactory |
| 27 | 0,19 | -0,20 | Satisfactory |
| 31 | 0,19 | -0,20 | Satisfactory |
| 38 | 0,19 | -0,20 | Satisfactory |
| 54 | 0,19 | -0,20 | Satisfactory |
| 29 | 0,20 | -0,12 | Satisfactory |
| 1 | 0,20 | -0,10 | Satisfactory |
| 7 | 0,20 | -0,10 | Satisfactory |
| 30 | 0,20 | -0,10 | Satisfactory |
| 6 | 0,21 | 0,00 | Satisfactory |
| 39 | 0,21 | 0,00 | Satisfactory |

| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|----------------|
| 51 | 0,21 | 0,00 | Satisfactory |
| 3 | 0,21 | 0,02 | Satisfactory |
| 18 | 0,22 | 0,10 | Satisfactory |
| 13 | 0,23 | 0,20 | Satisfactory |
| 15 | 0,23 | 0,24 | Satisfactory |
| 5 | 0,24 | 0,31 | Satisfactory |
| 60 | 0,25 | 0,36 | Satisfactory |
| 9 | 0,25 | 0,40 | Satisfactory |
| 22 | 0,26 | 0,50 | Satisfactory |
| 43 | 0,26 | 0,50 | Satisfactory |
| 8 | 0,27 | 0,60 | Satisfactory |
| 12 | 0,27 | 0,60 | Satisfactory |
| 37 | 0,28 | 0,70 | Satisfactory |
| 55 | 0,28 | 0,70 | Satisfactory |
| 47 | 0,30 | 0,90 | Satisfactory |
| 35 | 0,30 | 0,91 | Satisfactory |
| 34 | 0,33 | 1,20 | Satisfactory |
| 45 | 0,34 | 1,30 | Satisfactory |
| 52 | 0,36 | 1,51 | Satisfactory |
| 41 | 0,37 | 1,64 | Satisfactory |
| 11 | 0,44 | 2,26 | Questionable |
| 19 | 0,53 | 3,17 | Unsatisfactory |
| 50 | 0,55 | 3,40 | Unsatisfactory |
| 2 | 0,57 | 3,63 | Unsatisfactory |
| 20 | 0,58 | 3,70 | Unsatisfactory |
| 49 | 0,60 | 3,90 | Unsatisfactory |

| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|--------|
| 58 | P | | |
| 14 | N | | |
| 25 | N | | |
| 44 | N | | |
| 46 | N | | |

| | |
|-------------|-------|
| Average | 0,25 |
| SD | 0,12 |
| CV% | 48,25 |
| Median | 0,21 |
| Minimum | 0,08 |
| Quartile 25 | 0,18 |
| Quartile 75 | 0,28 |
| Maximum | 0,60 |
| Iqr | 0,10 |

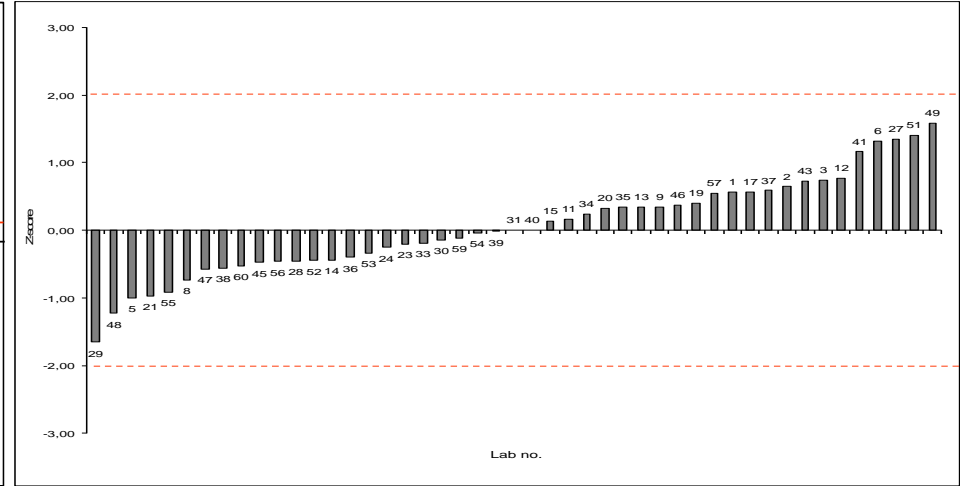
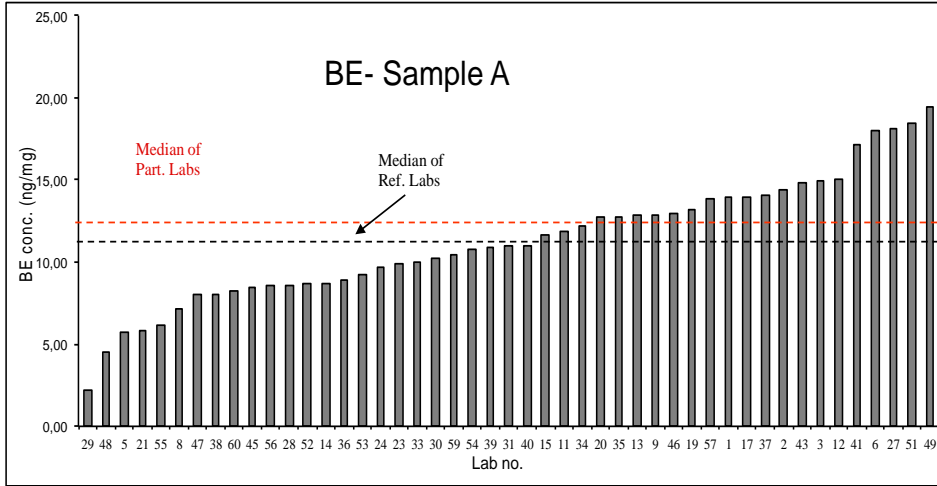


| Lab | Cocaine (ng/mg) | Z-score | Result |
|-----|-----------------|---------|--------------|
| 53 | 2,23 | -1,65 | Satisfactory |
| 48 | 2,55 | -1,49 | Satisfactory |
| 55 | 2,80 | -1,37 | Satisfactory |
| 21 | 3,07 | -1,23 | Satisfactory |
| 20 | 3,66 | -0,94 | Satisfactory |
| 56 | 3,80 | -0,87 | Satisfactory |
| 46 | 3,91 | -0,81 | Satisfactory |
| 34 | 4,15 | -0,69 | Satisfactory |
| 52 | 4,20 | -0,67 | Satisfactory |
| 14 | 4,30 | -0,62 | Satisfactory |
| 36 | 4,40 | -0,57 | Satisfactory |
| 24 | 4,42 | -0,55 | Satisfactory |
| 28 | 4,49 | -0,52 | Satisfactory |
| 25 | 4,50 | -0,52 | Satisfactory |
| 47 | 4,60 | -0,47 | Satisfactory |
| 33 | 4,75 | -0,39 | Satisfactory |
| 60 | 4,89 | -0,32 | Satisfactory |
| 50 | 4,90 | -0,32 | Satisfactory |
| 59 | 4,96 | -0,29 | Satisfactory |
| 30 | 5,25 | -0,14 | Satisfactory |
| 54 | 5,28 | -0,13 | Satisfactory |
| 45 | 5,30 | -0,12 | Satisfactory |
| 29 | 5,30 | -0,11 | Satisfactory |
| 17 | 5,40 | -0,06 | Satisfactory |
| 15 | 5,51 | -0,01 | Satisfactory |
| 23 | 5,51 | -0,01 | Satisfactory |

| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 10 | 5,53 | 0,00 | Satisfactory |
| 6 | 5,60 | 0,03 | Satisfactory |
| 39 | 5,61 | 0,04 | Satisfactory |
| 38 | 5,65 | 0,06 | Satisfactory |
| 40 | 5,66 | 0,06 | Satisfactory |
| 9 | 5,69 | 0,08 | Satisfactory |
| 7 | 5,92 | 0,20 | Satisfactory |
| 31 | 6,20 | 0,34 | Satisfactory |
| 19 | 6,28 | 0,38 | Satisfactory |
| 12 | 6,41 | 0,44 | Satisfactory |
| 35 | 6,42 | 0,45 | Satisfactory |
| 51 | 6,45 | 0,46 | Satisfactory |
| 43 | 6,49 | 0,48 | Satisfactory |
| 8 | 6,50 | 0,49 | Satisfactory |
| 2 | 6,56 | 0,51 | Satisfactory |
| 3 | 6,56 | 0,51 | Satisfactory |
| 18 | 6,70 | 0,59 | Satisfactory |
| 5 | 6,88 | 0,67 | Satisfactory |
| 1 | 7,00 | 0,74 | Satisfactory |
| 44 | 7,02 | 0,75 | Satisfactory |
| 57 | 7,07 | 0,77 | Satisfactory |
| 13 | 7,58 | 1,03 | Satisfactory |
| 49 | 7,70 | 1,09 | Satisfactory |
| 37 | 8,20 | 1,34 | Satisfactory |
| 11 | 8,35 | 1,41 | Satisfactory |
| 27 | 9,35 | 1,91 | Satisfactory |

| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 41 | 11,00 | 2,74 | Questionable |
| 22 | >2,5 | | |
| 42 | >3,3 | | |
| 58 | P | | |

| | |
|-------------|-------|
| Average | 5,63 |
| SD | 1,63 |
| CV% | 28,92 |
| Median | 5,53 |
| Minimum | 2,23 |
| Quartile 25 | 4,50 |
| Quartile 75 | 6,50 |
| Maximum | 11,00 |
| Iqr | 2,00 |

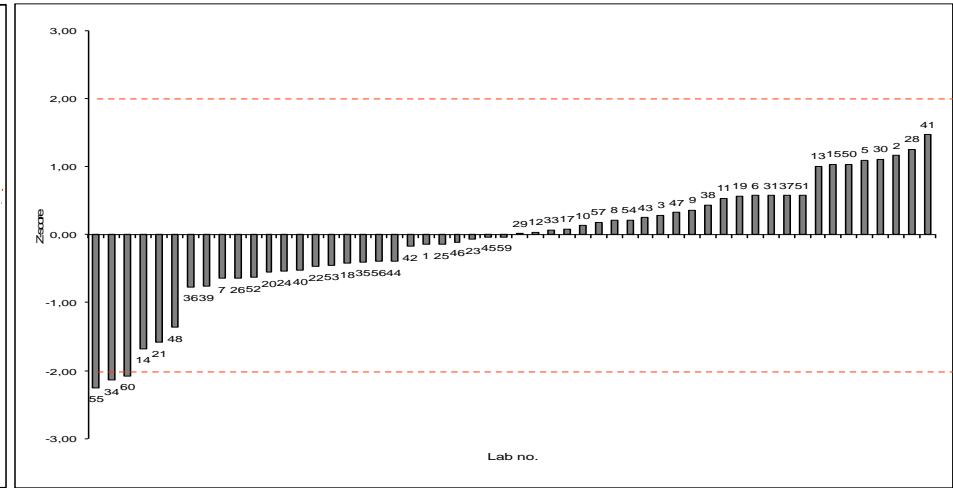
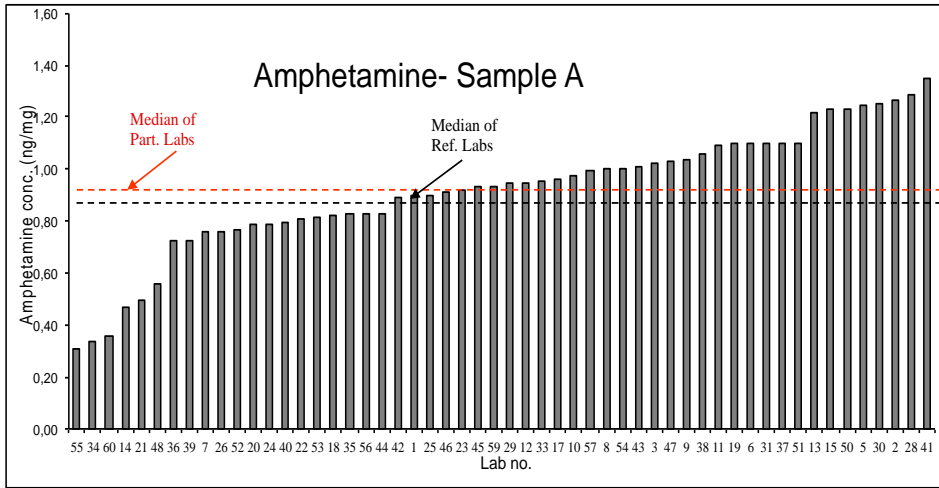


| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------------|
| 29 | 2,24 | -1,65 | Satisfactory |
| 48 | 4,50 | -1,23 | Satisfactory |
| 5 | 5,72 | -1,00 | Satisfactory |
| 21 | 5,84 | -0,97 | Satisfactory |
| 55 | 6,20 | -0,91 | Satisfactory |
| 8 | 7,10 | -0,74 | Satisfactory |
| 47 | 7,98 | -0,57 | Satisfactory |
| 38 | 8,06 | -0,55 | Satisfactory |
| 60 | 8,23 | -0,52 | Satisfactory |
| 45 | 8,50 | -0,47 | Satisfactory |
| 56 | 8,59 | -0,45 | Satisfactory |
| 28 | 8,60 | -0,45 | Satisfactory |
| 52 | 8,65 | -0,44 | Satisfactory |
| 14 | 8,70 | -0,43 | Satisfactory |
| 36 | 8,88 | -0,40 | Satisfactory |
| 53 | 9,23 | -0,33 | Satisfactory |
| 24 | 9,67 | -0,25 | Satisfactory |
| 23 | 9,94 | -0,20 | Satisfactory |
| 33 | 10,03 | -0,18 | Satisfactory |
| 30 | 10,25 | -0,14 | Satisfactory |
| 59 | 10,40 | -0,11 | Satisfactory |
| 54 | 10,80 | -0,04 | Satisfactory |
| 39 | 10,90 | -0,02 | Satisfactory |
| 31 | 11,00 | 0,00 | Satisfactory |
| 40 | 11,00 | 0,00 | Satisfactory |
| 15 | 11,69 | 0,13 | Satisfactory |

| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------------|
| 11 | 11,89 | 0,17 | Satisfactory |
| 34 | 12,25 | 0,24 | Satisfactory |
| 20 | 12,72 | 0,32 | Satisfactory |
| 35 | 12,78 | 0,34 | Satisfactory |
| 13 | 12,82 | 0,34 | Satisfactory |
| 9 | 12,83 | 0,35 | Satisfactory |
| 46 | 13,00 | 0,38 | Satisfactory |
| 19 | 13,15 | 0,41 | Satisfactory |
| 57 | 13,88 | 0,54 | Satisfactory |
| 1 | 13,97 | 0,56 | Satisfactory |
| 17 | 14,00 | 0,57 | Satisfactory |
| 37 | 14,10 | 0,58 | Satisfactory |
| 2 | 14,42 | 0,64 | Satisfactory |
| 43 | 14,85 | 0,73 | Satisfactory |
| 3 | 14,89 | 0,73 | Satisfactory |
| 12 | 15,10 | 0,77 | Satisfactory |
| 41 | 17,16 | 1,16 | Satisfactory |
| 6 | 18,00 | 1,32 | Satisfactory |
| 27 | 18,15 | 1,35 | Satisfactory |
| 51 | 18,44 | 1,40 | Satisfactory |
| 49 | 19,40 | 1,58 | Satisfactory |
| 7 | >10 | | |
| 18 | >10 | | |
| 22 | >2,5 | | |
| 42 | >3,3 | | |
| 44 | >4 | | |

| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------|
| 10 | >5 | | |
| 58 | N | | |
| 25 | P | | |

| | |
|-------------|-------|
| Average | 11,29 |
| SD | 3,74 |
| CV% | 33,12 |
| Median | 11,00 |
| Minimum | 2,24 |
| Quartile 25 | 8,62 |
| Quartile 75 | 13,93 |
| Maximum | 19,40 |
| Iqr | 5,30 |

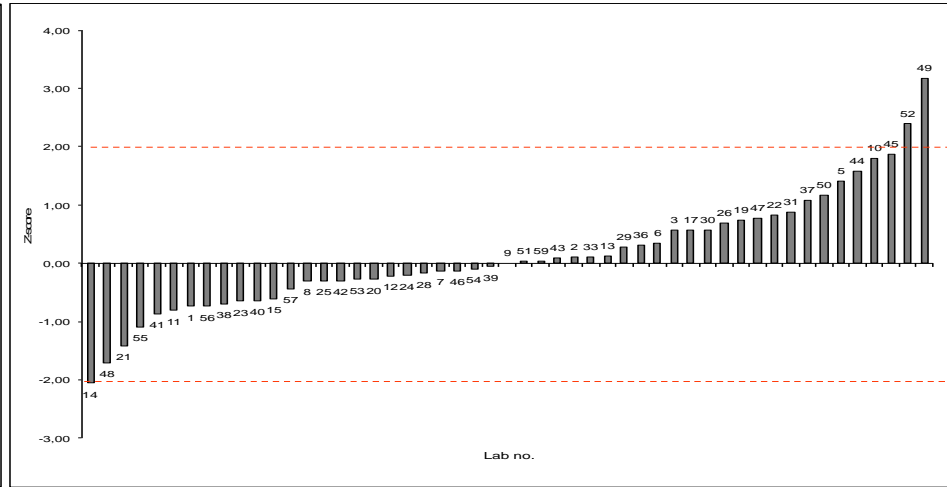
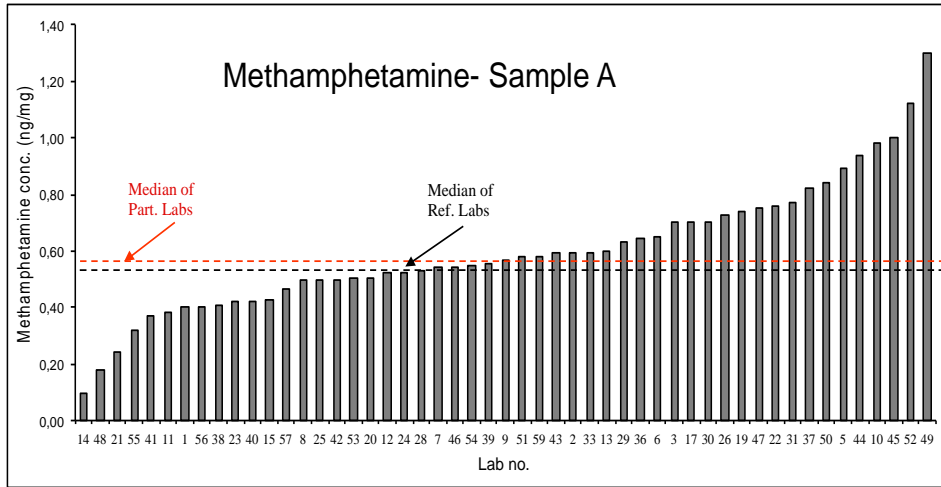


| Lab. | Amphetamine (ng/mg) | Z-score | Result |
|------|---------------------|---------|--------------|
| 55 | 0,31 | -2,25 | Questionable |
| 34 | 0,34 | -2,14 | Questionable |
| 60 | 0,36 | -2,08 | Questionable |
| 14 | 0,47 | -1,68 | Satisfactory |
| 21 | 0,50 | -1,59 | Satisfactory |
| 48 | 0,56 | -1,36 | Satisfactory |
| 36 | 0,73 | -0,77 | Satisfactory |
| 39 | 0,73 | -0,76 | Satisfactory |
| 7 | 0,76 | -0,64 | Satisfactory |
| 26 | 0,76 | -0,64 | Satisfactory |
| 52 | 0,76 | -0,63 | Satisfactory |
| 20 | 0,78 | -0,56 | Satisfactory |
| 24 | 0,79 | -0,54 | Satisfactory |
| 40 | 0,79 | -0,52 | Satisfactory |
| 22 | 0,81 | -0,46 | Satisfactory |
| 53 | 0,81 | -0,45 | Satisfactory |
| 18 | 0,82 | -0,43 | Satisfactory |
| 35 | 0,83 | -0,40 | Satisfactory |
| 56 | 0,83 | -0,39 | Satisfactory |
| 44 | 0,83 | -0,39 | Satisfactory |
| 42 | 0,89 | -0,18 | Satisfactory |
| 1 | 0,90 | -0,14 | Satisfactory |
| 25 | 0,90 | -0,14 | Satisfactory |
| 46 | 0,91 | -0,11 | Satisfactory |
| 23 | 0,92 | -0,07 | Satisfactory |
| 45 | 0,93 | -0,04 | Satisfactory |

| Lab. | Amphet. (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 59 | 0,93 | -0,04 | Satisfactory |
| 29 | 0,94 | 0,01 | Satisfactory |
| 12 | 0,95 | 0,04 | Satisfactory |
| 33 | 0,96 | 0,06 | Satisfactory |
| 17 | 0,96 | 0,07 | Satisfactory |
| 10 | 0,98 | 0,13 | Satisfactory |
| 57 | 0,99 | 0,19 | Satisfactory |
| 8 | 1,00 | 0,21 | Satisfactory |
| 54 | 1,00 | 0,21 | Satisfactory |
| 43 | 1,01 | 0,25 | Satisfactory |
| 3 | 1,02 | 0,29 | Satisfactory |
| 47 | 1,03 | 0,32 | Satisfactory |
| 9 | 1,04 | 0,36 | Satisfactory |
| 38 | 1,06 | 0,43 | Satisfactory |
| 11 | 1,09 | 0,53 | Satisfactory |
| 19 | 1,10 | 0,56 | Satisfactory |
| 6 | 1,10 | 0,57 | Satisfactory |
| 31 | 1,10 | 0,57 | Satisfactory |
| 37 | 1,10 | 0,57 | Satisfactory |
| 51 | 1,10 | 0,57 | Satisfactory |
| 13 | 1,22 | 1,00 | Satisfactory |
| 15 | 1,23 | 1,04 | Satisfactory |
| 50 | 1,23 | 1,04 | Satisfactory |
| 5 | 1,25 | 1,09 | Satisfactory |
| 30 | 1,25 | 1,11 | Satisfactory |
| 2 | 1,27 | 1,16 | Satisfactory |

| Lab. | Amphet. (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 28 | 1,29 | 1,25 | Satisfactory |
| 41 | 1,35 | 1,46 | Satisfactory |
| 49 | P | | |
| 58 | P | | |

| | |
|-------------|-------|
| Average | 0,92 |
| SD | 0,24 |
| CV% | 25,75 |
| Median | 0,94 |
| Minimum | 0,31 |
| Quartile 25 | 0,80 |
| Quartile 75 | 1,08 |
| Maximum | 1,35 |
| Iqr | 0,28 |

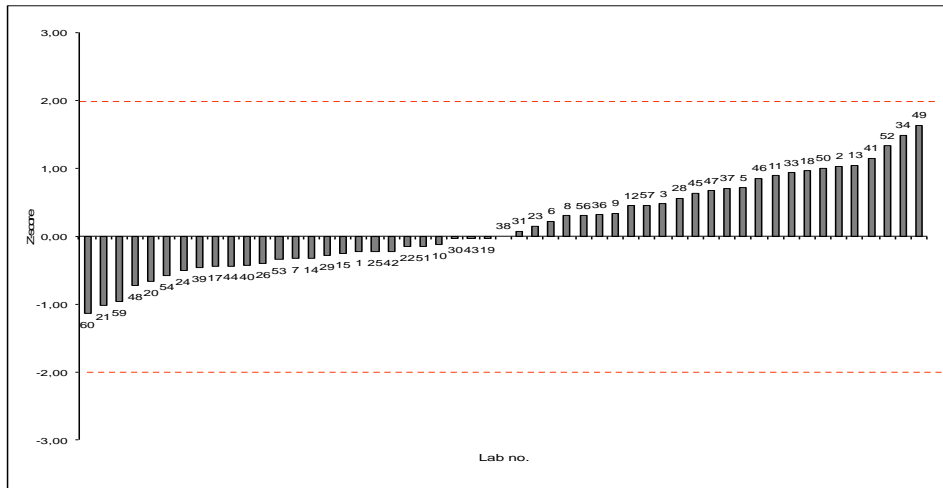
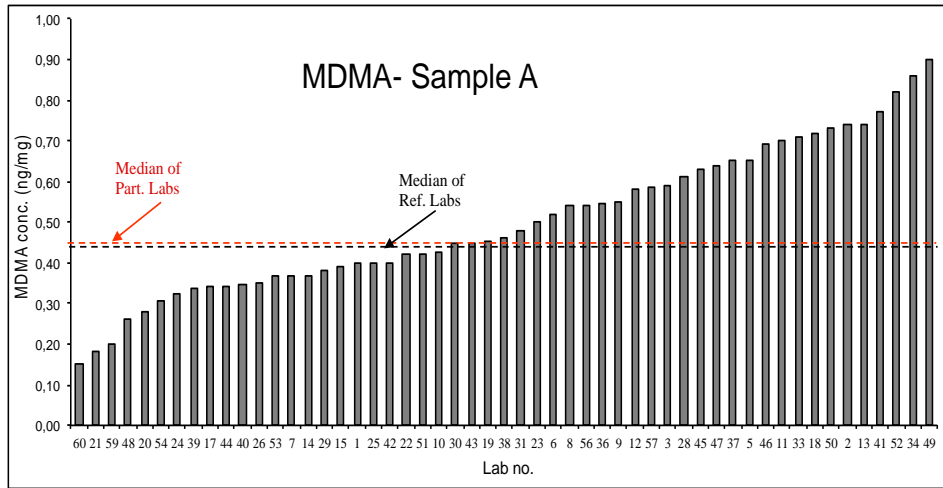


| Lab. | Methamphetamine (ng/mg) | Z-score | Result |
|------|-------------------------|---------|--------------|
| 14 | 0,10 | -2,06 | Questionable |
| 48 | 0,18 | -1,70 | Satisfactory |
| 21 | 0,24 | -1,42 | Satisfactory |
| 55 | 0,32 | -1,09 | Satisfactory |
| 41 | 0,37 | -0,87 | Satisfactory |
| 11 | 0,39 | -0,80 | Satisfactory |
| 1 | 0,40 | -0,74 | Satisfactory |
| 56 | 0,40 | -0,74 | Satisfactory |
| 38 | 0,41 | -0,70 | Satisfactory |
| 23 | 0,42 | -0,65 | Satisfactory |
| 40 | 0,42 | -0,64 | Satisfactory |
| 15 | 0,43 | -0,61 | Satisfactory |
| 57 | 0,47 | -0,44 | Satisfactory |
| 8 | 0,50 | -0,30 | Satisfactory |
| 25 | 0,50 | -0,30 | Satisfactory |
| 42 | 0,50 | -0,30 | Satisfactory |
| 53 | 0,51 | -0,28 | Satisfactory |
| 20 | 0,51 | -0,27 | Satisfactory |
| 12 | 0,52 | -0,22 | Satisfactory |
| 24 | 0,52 | -0,20 | Satisfactory |
| 28 | 0,53 | -0,17 | Satisfactory |
| 7 | 0,54 | -0,13 | Satisfactory |
| 46 | 0,54 | -0,13 | Satisfactory |
| 54 | 0,55 | -0,10 | Satisfactory |
| 39 | 0,56 | -0,05 | Satisfactory |
| 9 | 0,57 | 0,00 | Satisfactory |

| Lab. | Metahmph. (ng/mg) | Z-score | Result |
|------|-------------------|---------|----------------|
| 51 | 0,58 | 0,04 | Satisfactory |
| 59 | 0,58 | 0,04 | Satisfactory |
| 43 | 0,59 | 0,09 | Satisfactory |
| 2 | 0,59 | 0,10 | Satisfactory |
| 33 | 0,59 | 0,10 | Satisfactory |
| 13 | 0,60 | 0,13 | Satisfactory |
| 29 | 0,63 | 0,27 | Satisfactory |
| 36 | 0,64 | 0,32 | Satisfactory |
| 6 | 0,65 | 0,35 | Satisfactory |
| 3 | 0,70 | 0,57 | Satisfactory |
| 17 | 0,70 | 0,57 | Satisfactory |
| 30 | 0,70 | 0,57 | Satisfactory |
| 26 | 0,73 | 0,70 | Satisfactory |
| 19 | 0,74 | 0,73 | Satisfactory |
| 47 | 0,75 | 0,78 | Satisfactory |
| 22 | 0,76 | 0,83 | Satisfactory |
| 31 | 0,77 | 0,87 | Satisfactory |
| 37 | 0,82 | 1,09 | Satisfactory |
| 50 | 0,84 | 1,17 | Satisfactory |
| 5 | 0,89 | 1,41 | Satisfactory |
| 44 | 0,94 | 1,59 | Satisfactory |
| 10 | 0,98 | 1,80 | Satisfactory |
| 45 | 1,00 | 1,87 | Satisfactory |
| 52 | 1,12 | 2,40 | Questionable |
| 49 | 1,30 | 3,17 | Unsatisfactory |
| 58 | P | | |

| Lab. | Metahmph. (ng/mg) | Z-score | Result |
|------|-------------------|---------|--------|
| 18 | N | | |
| 34 | N | | |
| 35 | N | | |

| | |
|-------------|-------|
| Average | 0,60 |
| SD | 0,22 |
| CV% | 37,37 |
| Median | 0,57 |
| Minimum | 0,10 |
| Quartile 25 | 0,48 |
| Quartile 75 | 0,72 |
| Maximum | 1,30 |
| Iqr | 0,23 |

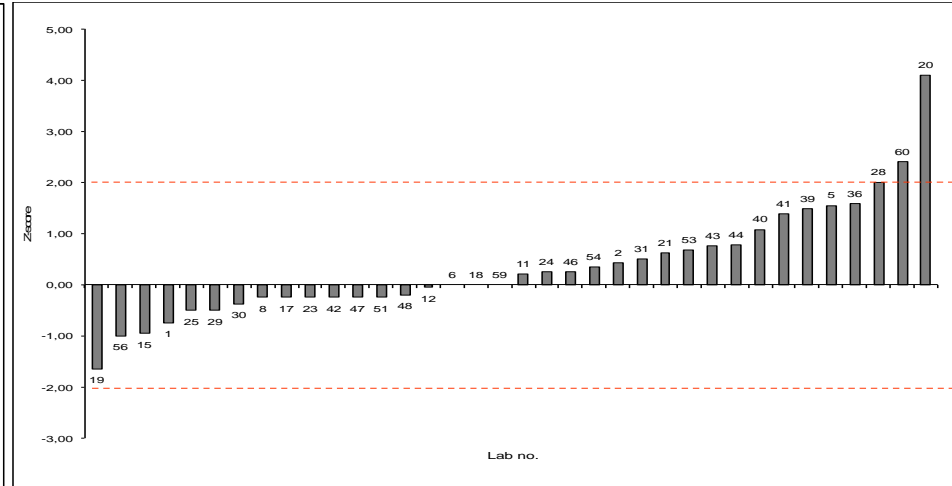
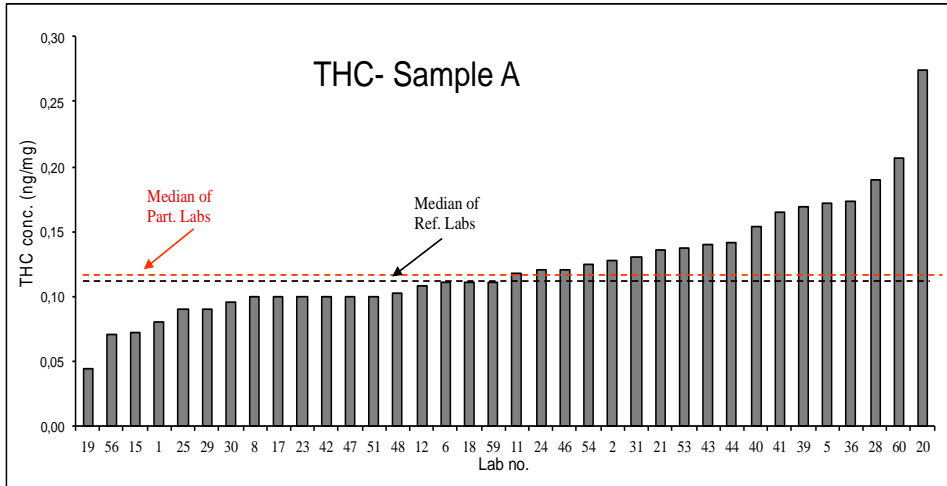


| Lab. | MDMA (ng/mg) | Z-score | Result |
|------|--------------|---------|--------------|
| 60 | 0,15 | -1,14 | Satisfactory |
| 21 | 0,18 | -1,02 | Satisfactory |
| 59 | 0,20 | -0,96 | Satisfactory |
| 48 | 0,26 | -0,73 | Satisfactory |
| 20 | 0,28 | -0,67 | Satisfactory |
| 54 | 0,30 | -0,58 | Satisfactory |
| 24 | 0,32 | -0,50 | Satisfactory |
| 39 | 0,34 | -0,46 | Satisfactory |
| 17 | 0,34 | -0,44 | Satisfactory |
| 44 | 0,34 | -0,44 | Satisfactory |
| 40 | 0,34 | -0,43 | Satisfactory |
| 26 | 0,35 | -0,41 | Satisfactory |
| 53 | 0,37 | -0,34 | Satisfactory |
| 7 | 0,37 | -0,33 | Satisfactory |
| 14 | 0,37 | -0,33 | Satisfactory |
| 29 | 0,38 | -0,29 | Satisfactory |
| 15 | 0,39 | -0,26 | Satisfactory |
| 1 | 0,40 | -0,22 | Satisfactory |
| 25 | 0,40 | -0,22 | Satisfactory |
| 42 | 0,40 | -0,22 | Satisfactory |
| 22 | 0,42 | -0,15 | Satisfactory |
| 51 | 0,42 | -0,15 | Satisfactory |
| 10 | 0,43 | -0,13 | Satisfactory |
| 30 | 0,45 | -0,04 | Satisfactory |
| 43 | 0,45 | -0,04 | Satisfactory |
| 19 | 0,45 | -0,03 | Satisfactory |

| Lab. | MDMA (ng/mg) | Z-score | Result |
|------|--------------|---------|--------------|
| 38 | 0,46 | 0,00 | Satisfactory |
| 31 | 0,48 | 0,07 | Satisfactory |
| 23 | 0,50 | 0,15 | Satisfactory |
| 6 | 0,52 | 0,22 | Satisfactory |
| 8 | 0,54 | 0,30 | Satisfactory |
| 56 | 0,54 | 0,30 | Satisfactory |
| 36 | 0,55 | 0,31 | Satisfactory |
| 9 | 0,55 | 0,33 | Satisfactory |
| 12 | 0,58 | 0,44 | Satisfactory |
| 57 | 0,58 | 0,46 | Satisfactory |
| 3 | 0,59 | 0,47 | Satisfactory |
| 28 | 0,61 | 0,56 | Satisfactory |
| 45 | 0,63 | 0,63 | Satisfactory |
| 47 | 0,64 | 0,67 | Satisfactory |
| 37 | 0,65 | 0,70 | Satisfactory |
| 5 | 0,65 | 0,71 | Satisfactory |
| 46 | 0,69 | 0,85 | Satisfactory |
| 11 | 0,70 | 0,89 | Satisfactory |
| 33 | 0,71 | 0,93 | Satisfactory |
| 18 | 0,72 | 0,96 | Satisfactory |
| 50 | 0,73 | 1,00 | Satisfactory |
| 2 | 0,74 | 1,03 | Satisfactory |
| 13 | 0,74 | 1,04 | Satisfactory |
| 41 | 0,77 | 1,15 | Satisfactory |
| 52 | 0,82 | 1,33 | Satisfactory |
| 34 | 0,86 | 1,48 | Satisfactory |

| Lab. | MDMA (ng/mg) | Z-score | Result |
|------|--------------|---------|--------------|
| 49 | 0,90 | 1,63 | Satisfactory |
| 58 | P | | |
| 35 | N | | |
| 55 | N | | |

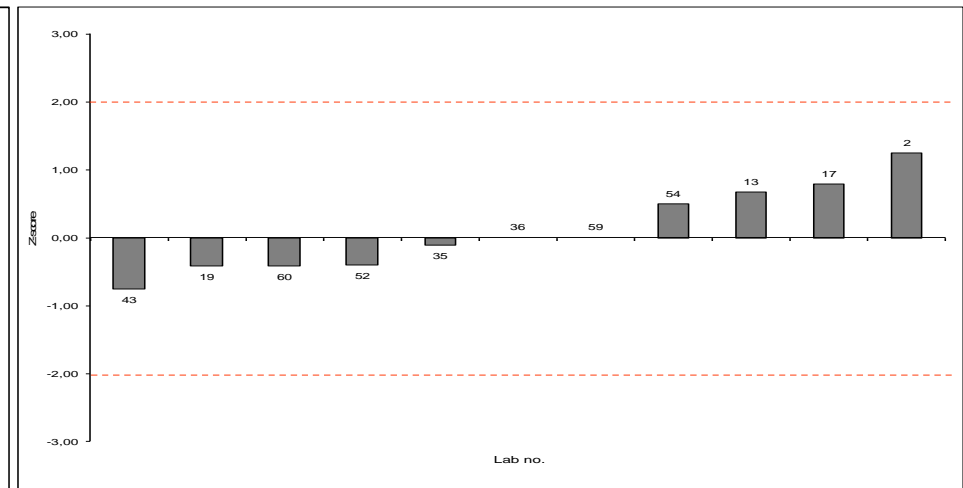
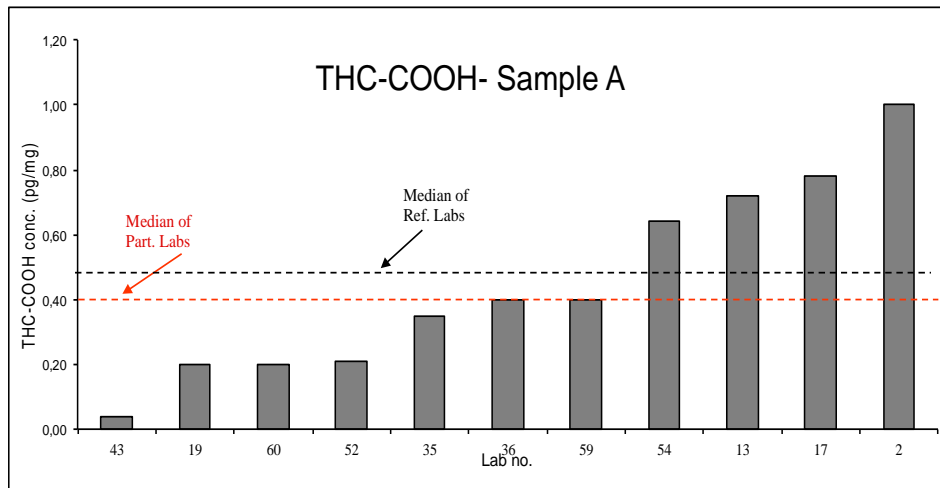
| | |
|-------------|-------|
| Average | 0,50 |
| SD | 0,18 |
| CV% | 35,40 |
| Median | 0,46 |
| Minimum | 0,15 |
| Quartile 25 | 0,37 |
| Quartile 75 | 0,64 |
| Maximum | 0,90 |
| Iqr | 0,27 |



| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 19 | 0,04 | -1,65 | Satisfactory |
| 56 | 0,07 | -1,00 | Satisfactory |
| 15 | 0,07 | -0,95 | Satisfactory |
| 1 | 0,08 | -0,75 | Satisfactory |
| 25 | 0,09 | -0,50 | Satisfactory |
| 29 | 0,09 | -0,50 | Satisfactory |
| 30 | 0,10 | -0,38 | Satisfactory |
| 8 | 0,10 | -0,25 | Satisfactory |
| 17 | 0,10 | -0,25 | Satisfactory |
| 23 | 0,10 | -0,25 | Satisfactory |
| 42 | 0,10 | -0,25 | Satisfactory |
| 47 | 0,10 | -0,25 | Satisfactory |
| 51 | 0,10 | -0,25 | Satisfactory |
| 48 | 0,10 | -0,20 | Satisfactory |
| 12 | 0,11 | -0,05 | Satisfactory |
| 6 | 0,11 | 0,00 | Satisfactory |
| 18 | 0,11 | 0,00 | Satisfactory |
| 59 | 0,11 | 0,00 | Satisfactory |
| 11 | 0,12 | 0,20 | Satisfactory |
| 24 | 0,12 | 0,25 | Satisfactory |
| 46 | 0,12 | 0,25 | Satisfactory |
| 54 | 0,12 | 0,35 | Satisfactory |
| 2 | 0,13 | 0,43 | Satisfactory |
| 31 | 0,13 | 0,50 | Satisfactory |
| 21 | 0,14 | 0,63 | Satisfactory |
| 53 | 0,14 | 0,68 | Satisfactory |

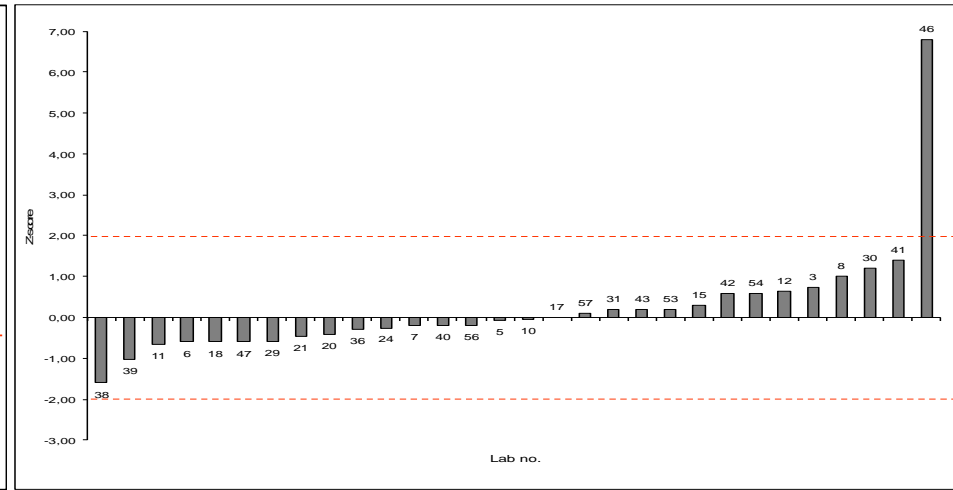
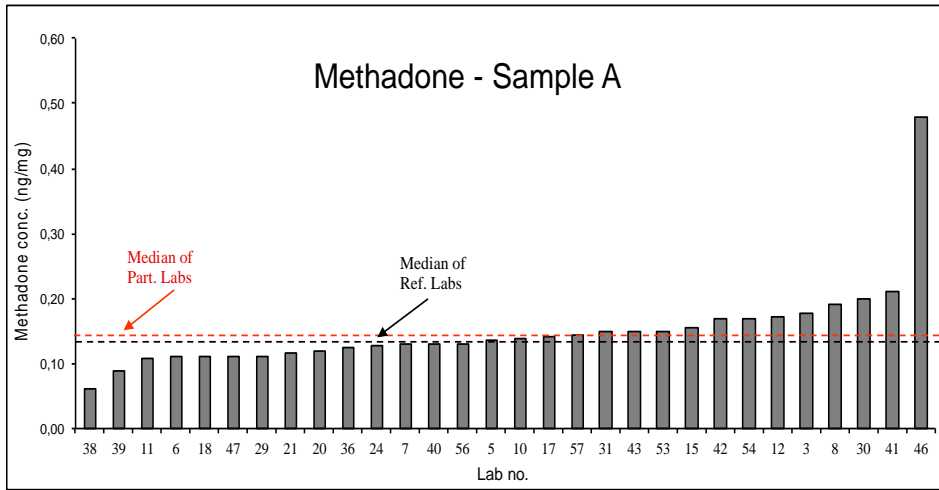
| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|----------------|
| 43 | 0,14 | 0,75 | Satisfactory |
| 44 | 0,14 | 0,78 | Satisfactory |
| 40 | 0,15 | 1,08 | Satisfactory |
| 41 | 0,17 | 1,38 | Satisfactory |
| 39 | 0,17 | 1,48 | Satisfactory |
| 5 | 0,17 | 1,55 | Satisfactory |
| 36 | 0,17 | 1,58 | Satisfactory |
| 28 | 0,19 | 2,00 | Questionable |
| 60 | 0,21 | 2,40 | Questionable |
| 20 | 0,27 | 4,10 | Unsatisfactory |
| 33 | P | | |
| 58 | P | | |
| 9 | N | | |
| 34 | N | | |
| 55 | N | | |

| | |
|-------------|-------|
| Average | 0,12 |
| SD | 0,04 |
| CV% | 34,36 |
| Median | 0,11 |
| Minimum | 0,04 |
| Quartile 25 | 0,10 |
| Quartile 75 | 0,14 |
| Maximum | 0,27 |
| Iqr | 0,04 |



| Lab. | THC-COOH (pg/mg) | Z-score | Result |
|------|------------------|---------|----------------|
| 43 | 0,04 | -0,75 | Satisfactory |
| 19 | 0,20 | -0,42 | Satisfactory |
| 60 | 0,20 | -0,42 | Satisfactory |
| 52 | 0,21 | -0,40 | Satisfactory |
| 35 | 0,35 | -0,10 | Satisfactory |
| 36 | 0,40 | 0,00 | Satisfactory |
| 59 | 0,40 | 0,00 | Satisfactory |
| 54 | 0,64 | 0,50 | Satisfactory |
| 13 | 0,72 | 0,67 | Satisfactory |
| 17 | 0,78 | 0,79 | Satisfactory |
| 2 | 1,00 | 1,25 | Unsatisfactory |
| 30 | <0,2 | | |
| 1 | N | | |
| 9 | N | | |
| 12 | N | | |
| 23 | N | | |
| 25 | N | | |
| 42 | N | | |
| 55 | N | | |

| | |
|-------------|-------|
| Average | 0,45 |
| SD | 0,28 |
| CV% | 63,20 |
| Median | 0,40 |
| Minimum | 0,04 |
| Quartile 25 | 0,21 |
| Quartile 75 | 0,68 |
| Maximum | 1,00 |
| Iqr | 0,48 |

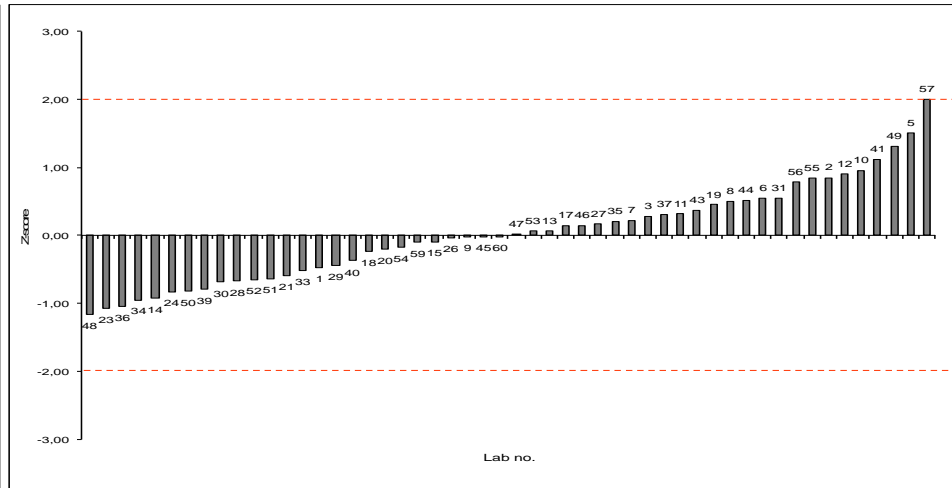
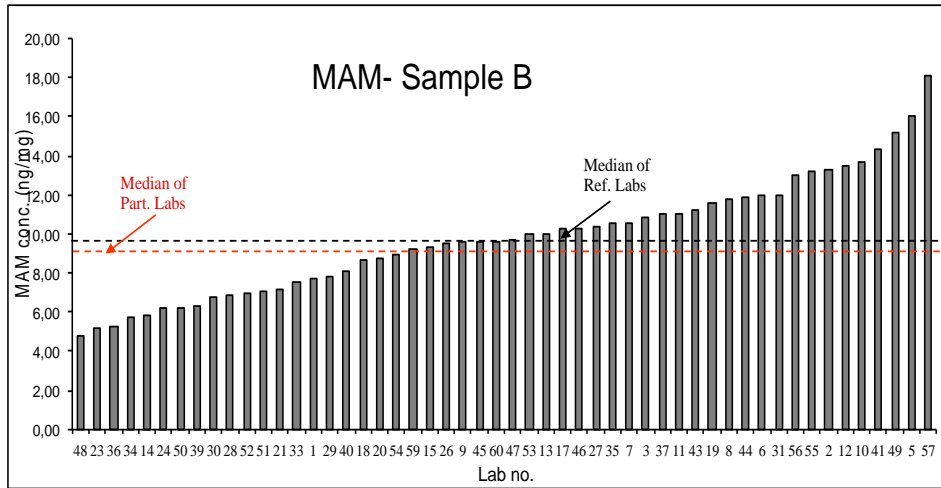


| Lab. | Methadone (ng/mg) | Z-score | Result |
|------|-------------------|---------|--------------|
| 38 | 0,06 | -1,60 | Satisfactory |
| 39 | 0,09 | -1,04 | Satisfactory |
| 11 | 0,11 | -0,66 | Satisfactory |
| 6 | 0,11 | -0,60 | Satisfactory |
| 18 | 0,11 | -0,60 | Satisfactory |
| 47 | 0,11 | -0,60 | Satisfactory |
| 29 | 0,11 | -0,58 | Satisfactory |
| 21 | 0,12 | -0,46 | Satisfactory |
| 20 | 0,12 | -0,42 | Satisfactory |
| 36 | 0,13 | -0,30 | Satisfactory |
| 24 | 0,13 | -0,26 | Satisfactory |
| 7 | 0,13 | -0,20 | Satisfactory |
| 40 | 0,13 | -0,20 | Satisfactory |
| 56 | 0,13 | -0,20 | Satisfactory |
| 5 | 0,14 | -0,08 | Satisfactory |
| 10 | 0,14 | -0,06 | Satisfactory |
| 17 | 0,14 | 0,00 | Satisfactory |
| 57 | 0,15 | 0,10 | Satisfactory |
| 31 | 0,15 | 0,20 | Satisfactory |
| 43 | 0,15 | 0,20 | Satisfactory |
| 53 | 0,15 | 0,20 | Satisfactory |
| 15 | 0,16 | 0,30 | Satisfactory |
| 42 | 0,17 | 0,60 | Satisfactory |
| 54 | 0,17 | 0,60 | Satisfactory |
| 12 | 0,17 | 0,64 | Satisfactory |
| 3 | 0,18 | 0,74 | Satisfactory |

| Lab. | Methadone (ng/mg) | Z-score | Result |
|------|-------------------|---------|----------------|
| 8 | 0,19 | 1,00 | Satisfactory |
| 30 | 0,20 | 1,20 | Satisfactory |
| 41 | 0,21 | 1,40 | Satisfactory |
| 46 | 0,48 | 6,80 | Unsatisfactory |
| 22 | <0,25 | | |
| 1 | N | | |
| 2 | N | | |
| 9 | N | | |
| 25 | N | | |
| 28 | N | | |
| 33 | N | | |
| 34 | N | | |
| 37 | N | | |
| 44 | N | | |
| 48 | N | | |
| 50 | N | | |
| 55 | N | | |
| 58 | N | | |
| 59 | N | | |
| 60 | N | | |
| 49 | U | | |

| | |
|-------------|-------|
| Average | 0,15 |
| SD | 0,07 |
| CV% | 46,07 |
| Median | 0,14 |
| Minimum | 0,06 |
| Quartile 25 | 0,12 |
| Quartile 75 | 0,17 |
| Maximum | 0,48 |
| Iqr | 0,05 |

The median Methadone concentration is below the cut-off proposed by SoHT (0.20 ng/mg)

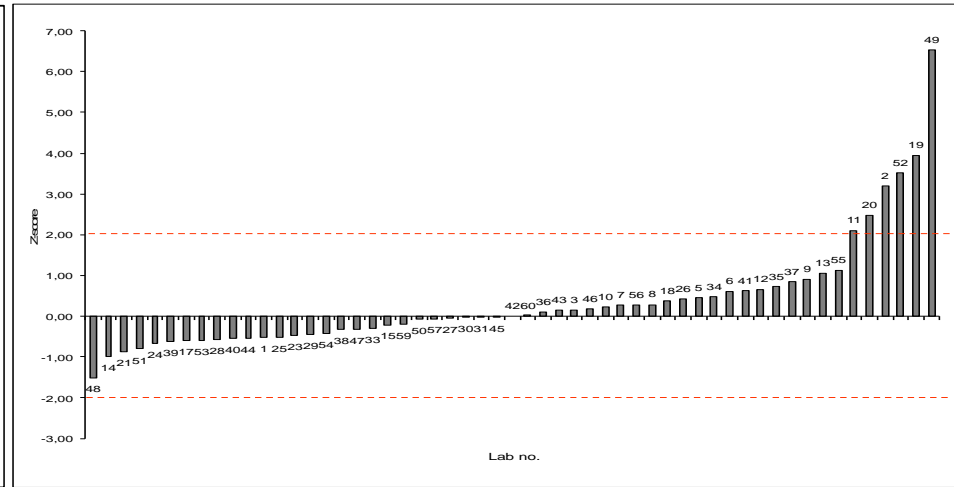
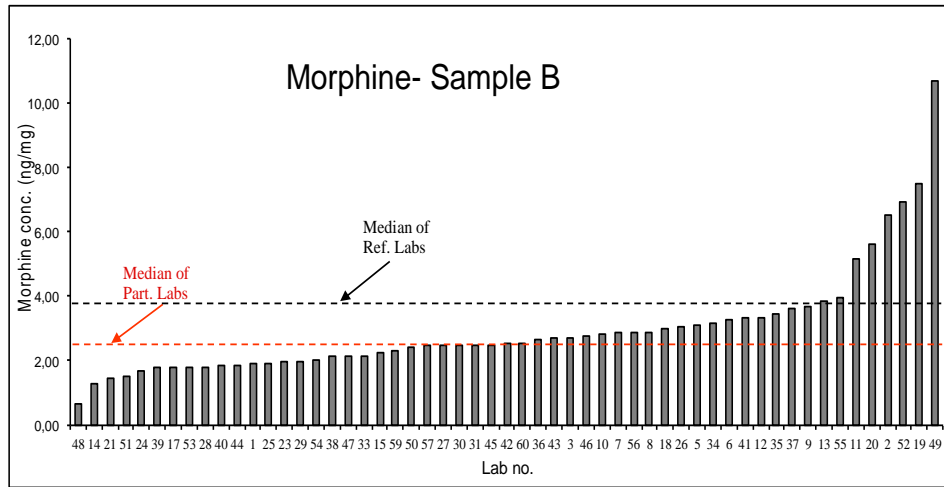


| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 48 | 4,79 | -1,16 | Satisfactory |
| 23 | 5,18 | -1,07 | Satisfactory |
| 36 | 5,28 | -1,05 | Satisfactory |
| 34 | 5,70 | -0,95 | Satisfactory |
| 14 | 5,80 | -0,92 | Satisfactory |
| 24 | 6,20 | -0,83 | Satisfactory |
| 50 | 6,24 | -0,82 | Satisfactory |
| 39 | 6,35 | -0,79 | Satisfactory |
| 30 | 6,80 | -0,68 | Satisfactory |
| 28 | 6,87 | -0,67 | Satisfactory |
| 52 | 6,95 | -0,65 | Satisfactory |
| 51 | 7,02 | -0,63 | Satisfactory |
| 21 | 7,19 | -0,59 | Satisfactory |
| 33 | 7,50 | -0,52 | Satisfactory |
| 1 | 7,70 | -0,47 | Satisfactory |
| 29 | 7,85 | -0,44 | Satisfactory |
| 40 | 8,11 | -0,37 | Satisfactory |
| 18 | 8,70 | -0,23 | Satisfactory |
| 20 | 8,80 | -0,21 | Satisfactory |
| 54 | 8,93 | -0,18 | Satisfactory |
| 59 | 9,24 | -0,10 | Satisfactory |
| 15 | 9,30 | -0,09 | Satisfactory |
| 26 | 9,55 | -0,03 | Satisfactory |
| 9 | 9,60 | -0,02 | Satisfactory |
| 45 | 9,60 | -0,02 | Satisfactory |
| 60 | 9,62 | -0,02 | Satisfactory |

| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 47 | 9,75 | 0,02 | Satisfactory |
| 53 | 9,97 | 0,07 | Satisfactory |
| 13 | 9,98 | 0,07 | Satisfactory |
| 17 | 10,30 | 0,15 | Satisfactory |
| 46 | 10,30 | 0,15 | Satisfactory |
| 27 | 10,39 | 0,17 | Satisfactory |
| 35 | 10,55 | 0,21 | Satisfactory |
| 7 | 10,60 | 0,22 | Satisfactory |
| 3 | 10,84 | 0,28 | Satisfactory |
| 37 | 11,00 | 0,31 | Satisfactory |
| 11 | 11,01 | 0,32 | Satisfactory |
| 43 | 11,23 | 0,37 | Satisfactory |
| 19 | 11,58 | 0,45 | Satisfactory |
| 8 | 11,80 | 0,50 | Satisfactory |
| 44 | 11,84 | 0,51 | Satisfactory |
| 6 | 12,00 | 0,55 | Satisfactory |
| 31 | 12,00 | 0,55 | Satisfactory |
| 56 | 13,00 | 0,79 | Satisfactory |
| 55 | 13,23 | 0,84 | Satisfactory |
| 2 | 13,27 | 0,85 | Satisfactory |
| 12 | 13,50 | 0,91 | Satisfactory |
| 10 | 13,70 | 0,96 | Satisfactory |
| 41 | 14,38 | 1,12 | Satisfactory |
| 49 | 15,20 | 1,31 | Satisfactory |
| 5 | 16,03 | 1,51 | Satisfactory |
| 57 | 18,10 | 2,00 | Questionable |

| Lab. | MAM (ng/mg) | Z-score | Result |
|------|-------------|---------|--------|
| 42 | >2,4 | | |
| 22 | >2,8 | | |
| 38 | >3,00 | | |
| 25 | P | | |
| 58 | P | | |

| | |
|-------------|-------|
| Average | 9,82 |
| SD | 2,93 |
| CV% | 29,88 |
| Median | 9,68 |
| Minimum | 4,79 |
| Quartile 25 | 7,42 |
| Quartile 75 | 11,63 |
| Maximum | 18,10 |
| Iqr | 4,21 |

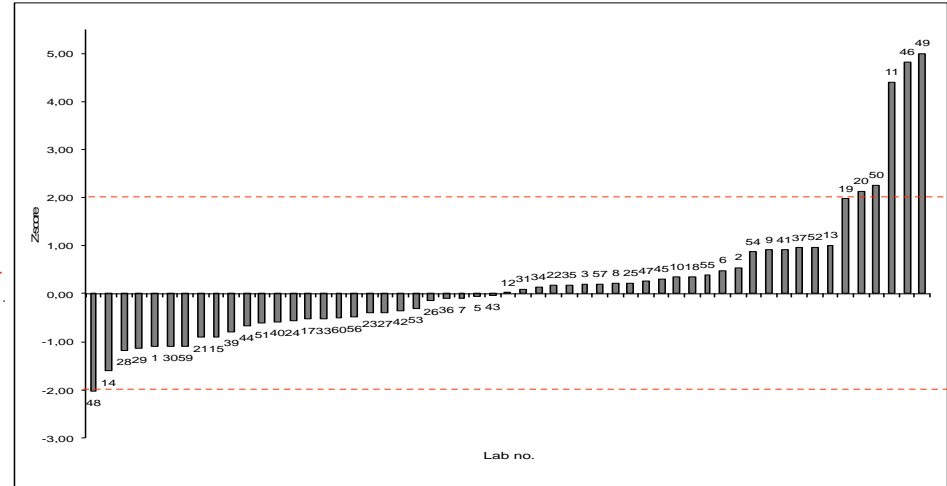
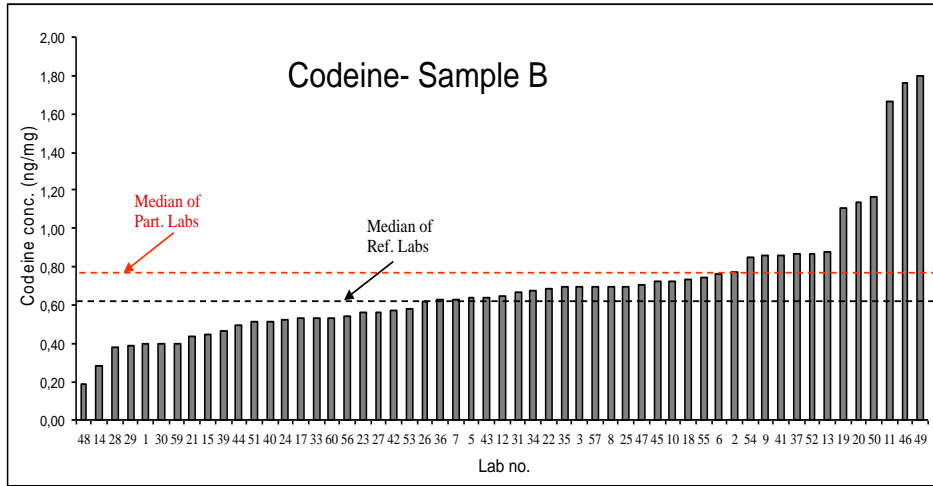


| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|--------------|
| 48 | 0,65 | -1,51 | Satisfactory |
| 14 | 1,30 | -0,99 | Satisfactory |
| 21 | 1,46 | -0,86 | Satisfactory |
| 51 | 1,54 | -0,80 | Satisfactory |
| 24 | 1,71 | -0,67 | Satisfactory |
| 39 | 1,78 | -0,61 | Satisfactory |
| 17 | 1,80 | -0,59 | Satisfactory |
| 53 | 1,80 | -0,59 | Satisfactory |
| 28 | 1,82 | -0,58 | Satisfactory |
| 40 | 1,86 | -0,55 | Satisfactory |
| 44 | 1,88 | -0,53 | Satisfactory |
| 1 | 1,90 | -0,51 | Satisfactory |
| 25 | 1,90 | -0,51 | Satisfactory |
| 23 | 1,95 | -0,47 | Satisfactory |
| 29 | 1,99 | -0,44 | Satisfactory |
| 54 | 2,02 | -0,42 | Satisfactory |
| 38 | 2,13 | -0,33 | Satisfactory |
| 47 | 2,13 | -0,33 | Satisfactory |
| 33 | 2,17 | -0,30 | Satisfactory |
| 15 | 2,28 | -0,21 | Satisfactory |
| 59 | 2,30 | -0,19 | Satisfactory |
| 50 | 2,45 | -0,07 | Satisfactory |
| 57 | 2,46 | -0,06 | Satisfactory |
| 27 | 2,47 | -0,06 | Satisfactory |
| 30 | 2,50 | -0,03 | Satisfactory |
| 31 | 2,50 | -0,03 | Satisfactory |

| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|----------------|
| 45 | 2,50 | -0,03 | Satisfactory |
| 42 | 2,54 | 0,00 | Satisfactory |
| 60 | 2,56 | 0,01 | Satisfactory |
| 36 | 2,67 | 0,10 | Satisfactory |
| 43 | 2,72 | 0,14 | Satisfactory |
| 3 | 2,73 | 0,15 | Satisfactory |
| 46 | 2,75 | 0,17 | Satisfactory |
| 10 | 2,82 | 0,22 | Satisfactory |
| 7 | 2,88 | 0,27 | Satisfactory |
| 56 | 2,89 | 0,28 | Satisfactory |
| 8 | 2,90 | 0,29 | Satisfactory |
| 18 | 3,00 | 0,37 | Satisfactory |
| 26 | 3,07 | 0,42 | Satisfactory |
| 5 | 3,09 | 0,44 | Satisfactory |
| 34 | 3,14 | 0,48 | Satisfactory |
| 6 | 3,30 | 0,61 | Satisfactory |
| 41 | 3,32 | 0,62 | Satisfactory |
| 12 | 3,36 | 0,66 | Satisfactory |
| 35 | 3,44 | 0,72 | Satisfactory |
| 37 | 3,60 | 0,85 | Satisfactory |
| 9 | 3,68 | 0,91 | Satisfactory |
| 13 | 3,86 | 1,06 | Satisfactory |
| 55 | 3,95 | 1,13 | Satisfactory |
| 11 | 5,17 | 2,10 | Questionable |
| 20 | 5,64 | 2,48 | Questionable |
| 2 | 6,53 | 3,19 | Unsatisfactory |

| Lab. | Morphine (ng/mg) | Z-score | Result |
|------|------------------|---------|----------------|
| 52 | 6,94 | 3,52 | Unsatisfactory |
| 19 | 7,48 | 3,95 | Unsatisfactory |
| 49 | 10,70 | 6,53 | Unsatisfactory |
| 22 | >2,8 | | |
| 58 | P | | |

| | |
|-------------|-------|
| Average | 2,98 |
| SD | 1,68 |
| CV% | 56,49 |
| Median | 2,54 |
| Minimum | 0,65 |
| Quartile 25 | 1,97 |
| Quartile 75 | 3,22 |
| Maximum | 10,70 |
| Iqr | 1,25 |

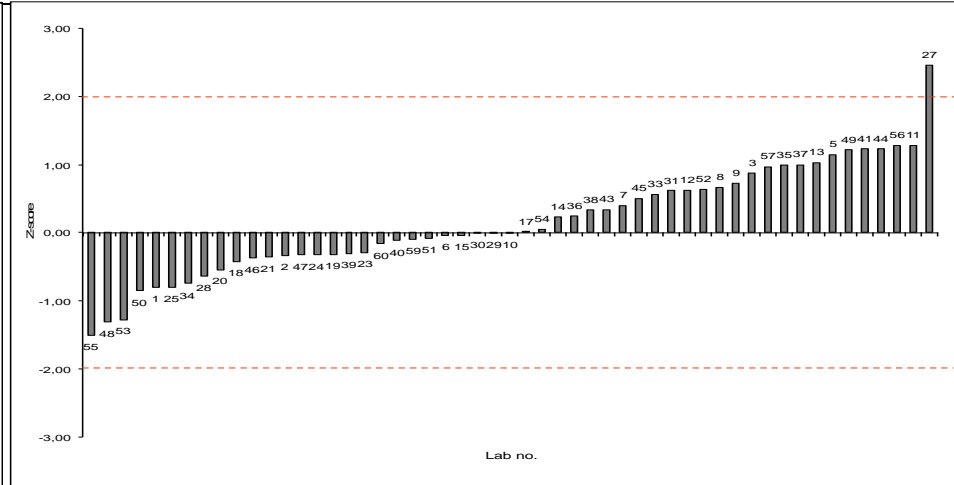
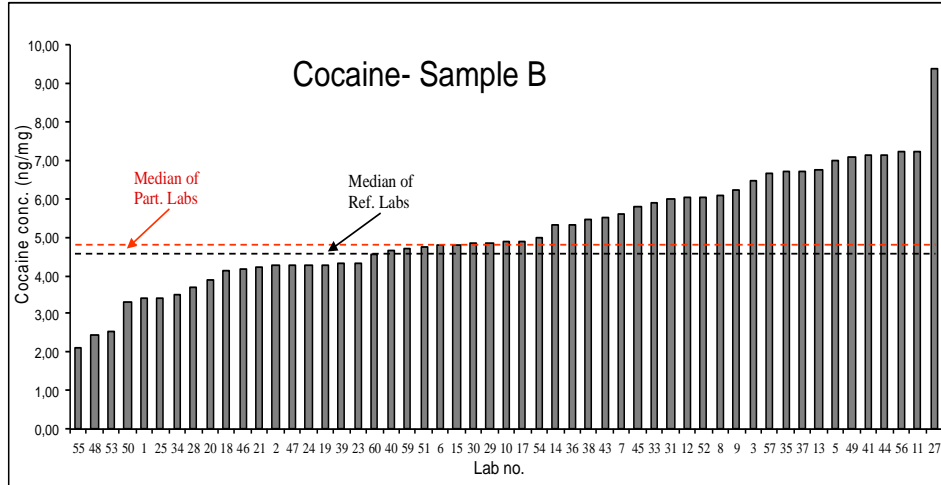


| Lab. | Codeine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 48 | 0,18 | -2,03 | Questionable |
| 14 | 0,28 | -1,61 | Satisfactory |
| 28 | 0,38 | -1,17 | Satisfactory |
| 29 | 0,39 | -1,14 | Satisfactory |
| 1 | 0,40 | -1,09 | Satisfactory |
| 30 | 0,40 | -1,09 | Satisfactory |
| 59 | 0,40 | -1,09 | Satisfactory |
| 21 | 0,44 | -0,91 | Satisfactory |
| 15 | 0,44 | -0,90 | Satisfactory |
| 39 | 0,47 | -0,79 | Satisfactory |
| 44 | 0,50 | -0,67 | Satisfactory |
| 51 | 0,51 | -0,61 | Satisfactory |
| 40 | 0,52 | -0,58 | Satisfactory |
| 24 | 0,52 | -0,57 | Satisfactory |
| 17 | 0,53 | -0,52 | Satisfactory |
| 33 | 0,53 | -0,52 | Satisfactory |
| 60 | 0,53 | -0,51 | Satisfactory |
| 56 | 0,54 | -0,48 | Satisfactory |
| 23 | 0,56 | -0,39 | Satisfactory |
| 27 | 0,56 | -0,39 | Satisfactory |
| 42 | 0,57 | -0,35 | Satisfactory |
| 53 | 0,58 | -0,30 | Satisfactory |
| 26 | 0,62 | -0,13 | Satisfactory |
| 36 | 0,63 | -0,10 | Satisfactory |
| 7 | 0,63 | -0,09 | Satisfactory |
| 5 | 0,64 | -0,05 | Satisfactory |

| Lab. | Codeine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 43 | 0,64 | -0,04 | Satisfactory |
| 12 | 0,65 | 0,00 | Satisfactory |
| 31 | 0,67 | 0,09 | Satisfactory |
| 34 | 0,68 | 0,13 | Satisfactory |
| 22 | 0,69 | 0,17 | Satisfactory |
| 35 | 0,69 | 0,18 | Satisfactory |
| 3 | 0,70 | 0,20 | Satisfactory |
| 57 | 0,70 | 0,20 | Satisfactory |
| 8 | 0,70 | 0,22 | Satisfactory |
| 25 | 0,70 | 0,22 | Satisfactory |
| 47 | 0,71 | 0,26 | Satisfactory |
| 45 | 0,72 | 0,30 | Satisfactory |
| 10 | 0,73 | 0,34 | Satisfactory |
| 18 | 0,73 | 0,35 | Satisfactory |
| 55 | 0,74 | 0,39 | Satisfactory |
| 6 | 0,76 | 0,48 | Satisfactory |
| 2 | 0,78 | 0,55 | Satisfactory |
| 54 | 0,85 | 0,87 | Satisfactory |
| 9 | 0,86 | 0,91 | Satisfactory |
| 41 | 0,86 | 0,91 | Satisfactory |
| 37 | 0,87 | 0,96 | Satisfactory |
| 52 | 0,87 | 0,97 | Satisfactory |
| 13 | 0,88 | 1,00 | Satisfactory |
| 19 | 1,10 | 1,97 | Satisfactory |
| 20 | 1,14 | 2,13 | Questionable |
| 50 | 1,17 | 2,26 | Questionable |

| Lab. | Codeine (ng/mg) | Z-score | Result |
|------|-----------------|---------|----------------|
| 11 | 1,66 | 4,41 | Unsatisfactory |
| 46 | 1,76 | 4,83 | Unsatisfactory |
| 49 | 1,80 | 5,00 | Unsatisfactory |
| 58 | P | | |
| 38 | N | | |

| | |
|-------------|-------|
| Average | 0,70 |
| SD | 0,32 |
| CV% | 44,99 |
| Median | 0,65 |
| Minimum | 0,18 |
| Quartile 25 | 0,52 |
| Quartile 75 | 0,75 |
| Maximum | 1,80 |
| Iqr | 0,23 |

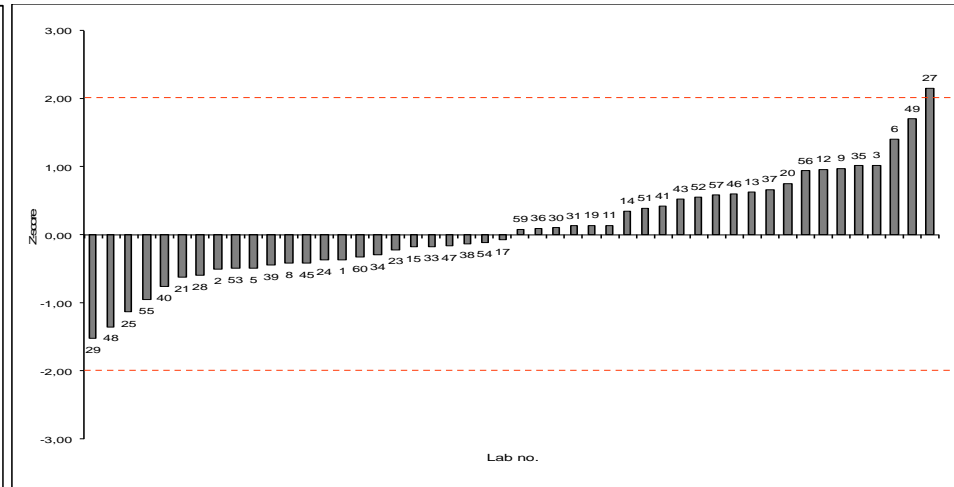
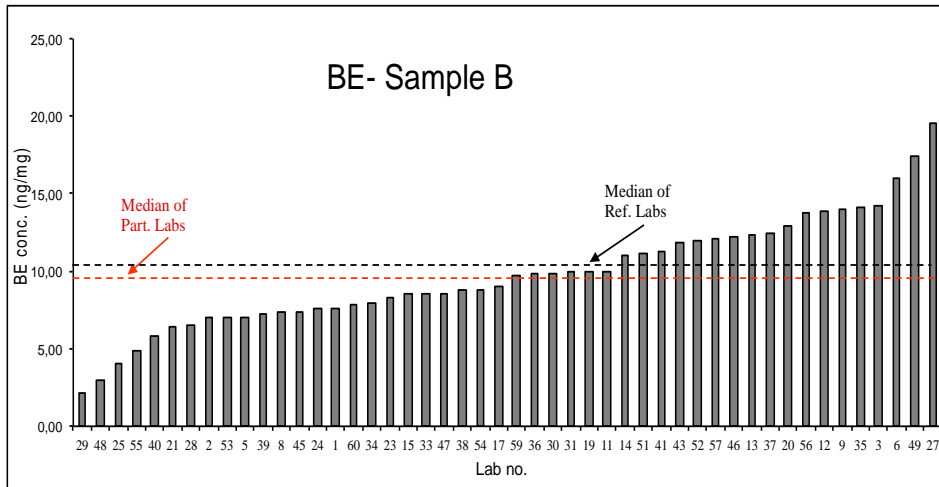


| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 55 | 2,11 | -1,51 | Satisfactory |
| 48 | 2,47 | -1,31 | Satisfactory |
| 53 | 2,53 | -1,28 | Satisfactory |
| 50 | 3,31 | -0,85 | Satisfactory |
| 1 | 3,40 | -0,80 | Satisfactory |
| 25 | 3,40 | -0,80 | Satisfactory |
| 34 | 3,50 | -0,75 | Satisfactory |
| 28 | 3,71 | -0,63 | Satisfactory |
| 20 | 3,88 | -0,54 | Satisfactory |
| 18 | 4,10 | -0,42 | Satisfactory |
| 46 | 4,19 | -0,37 | Satisfactory |
| 21 | 4,22 | -0,36 | Satisfactory |
| 2 | 4,26 | -0,33 | Satisfactory |
| 47 | 4,27 | -0,33 | Satisfactory |
| 24 | 4,28 | -0,32 | Satisfactory |
| 19 | 4,29 | -0,32 | Satisfactory |
| 39 | 4,32 | -0,30 | Satisfactory |
| 23 | 4,33 | -0,30 | Satisfactory |
| 60 | 4,57 | -0,16 | Satisfactory |
| 40 | 4,65 | -0,12 | Satisfactory |
| 59 | 4,70 | -0,09 | Satisfactory |
| 51 | 4,72 | -0,08 | Satisfactory |
| 6 | 4,80 | -0,04 | Satisfactory |
| 15 | 4,81 | -0,03 | Satisfactory |
| 30 | 4,85 | -0,01 | Satisfactory |
| 29 | 4,86 | -0,01 | Satisfactory |

| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 10 | 4,87 | 0,00 | Satisfactory |
| 17 | 4,90 | 0,02 | Satisfactory |
| 54 | 4,97 | 0,05 | Satisfactory |
| 14 | 5,30 | 0,23 | Satisfactory |
| 36 | 5,33 | 0,25 | Satisfactory |
| 38 | 5,48 | 0,33 | Satisfactory |
| 43 | 5,49 | 0,34 | Satisfactory |
| 7 | 5,60 | 0,40 | Satisfactory |
| 45 | 5,80 | 0,51 | Satisfactory |
| 33 | 5,91 | 0,57 | Satisfactory |
| 31 | 6,00 | 0,62 | Satisfactory |
| 12 | 6,01 | 0,62 | Satisfactory |
| 52 | 6,05 | 0,64 | Satisfactory |
| 8 | 6,10 | 0,67 | Satisfactory |
| 9 | 6,21 | 0,73 | Satisfactory |
| 3 | 6,46 | 0,87 | Satisfactory |
| 57 | 6,65 | 0,97 | Satisfactory |
| 35 | 6,68 | 0,99 | Satisfactory |
| 37 | 6,70 | 1,00 | Satisfactory |
| 13 | 6,75 | 1,03 | Satisfactory |
| 5 | 6,98 | 1,15 | Satisfactory |
| 49 | 7,10 | 1,22 | Satisfactory |
| 41 | 7,12 | 1,23 | Satisfactory |
| 44 | 7,12 | 1,23 | Satisfactory |
| 56 | 7,21 | 1,28 | Satisfactory |
| 11 | 7,22 | 1,28 | Satisfactory |

| Lab. | Cocaine (ng/mg) | Z-score | Result |
|------|-----------------|---------|--------------|
| 27 | 9,38 | 2,46 | Questionable |
| 22 | >2,5 | | |
| 42 | >3,1 | | |
| 58 | P | | |

| | |
|-------------|-------|
| Average | 5,17 |
| SD | 1,42 |
| CV% | 27,42 |
| Median | 4,87 |
| Minimum | 2,11 |
| Quartile 25 | 4,27 |
| Quartile 75 | 6,10 |
| Maximum | 9,38 |
| Iqr | 1,83 |

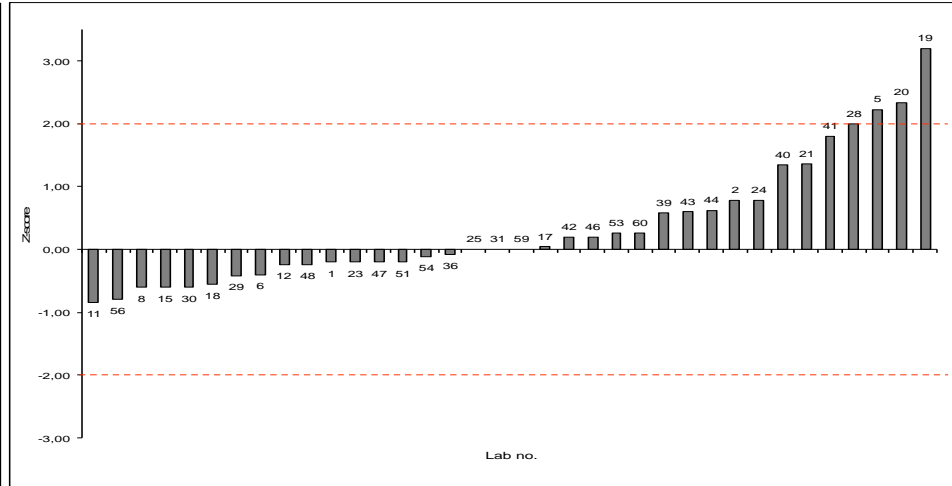
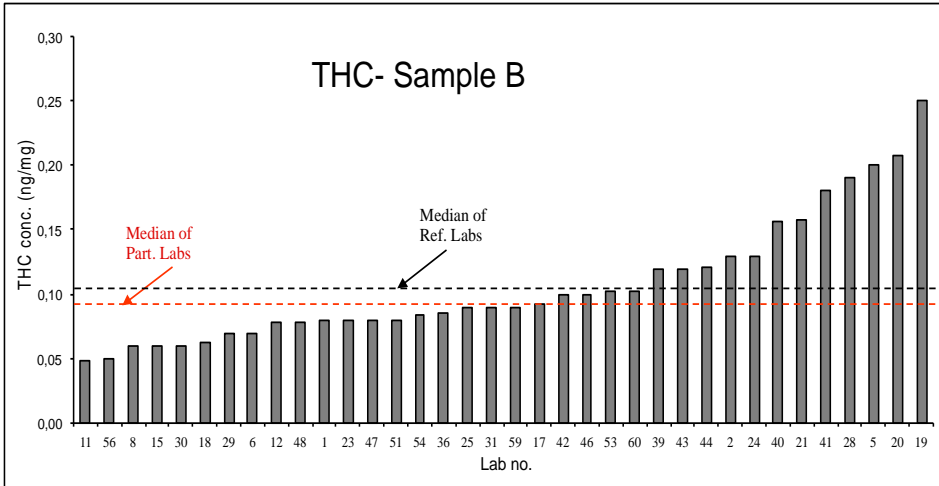


| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------------|
| 29 | 2,19 | -1,52 | Satisfactory |
| 48 | 2,98 | -1,35 | Satisfactory |
| 25 | 4,00 | -1,13 | Satisfactory |
| 55 | 4,89 | -0,95 | Satisfactory |
| 40 | 5,80 | -0,75 | Satisfactory |
| 21 | 6,42 | -0,62 | Satisfactory |
| 28 | 6,54 | -0,60 | Satisfactory |
| 2 | 6,96 | -0,51 | Satisfactory |
| 53 | 7,03 | -0,49 | Satisfactory |
| 5 | 7,06 | -0,49 | Satisfactory |
| 39 | 7,26 | -0,44 | Satisfactory |
| 8 | 7,40 | -0,41 | Satisfactory |
| 45 | 7,40 | -0,41 | Satisfactory |
| 24 | 7,62 | -0,37 | Satisfactory |
| 1 | 7,63 | -0,37 | Satisfactory |
| 60 | 7,80 | -0,33 | Satisfactory |
| 34 | 7,95 | -0,30 | Satisfactory |
| 23 | 8,32 | -0,22 | Satisfactory |
| 15 | 8,50 | -0,18 | Satisfactory |
| 33 | 8,53 | -0,18 | Satisfactory |
| 47 | 8,58 | -0,16 | Satisfactory |
| 38 | 8,76 | -0,13 | Satisfactory |
| 54 | 8,84 | -0,11 | Satisfactory |
| 17 | 9,00 | -0,08 | Satisfactory |
| 59 | 9,72 | 0,08 | Satisfactory |
| 36 | 9,82 | 0,10 | Satisfactory |

| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------------|
| 30 | 9,86 | 0,11 | Satisfactory |
| 31 | 10,00 | 0,14 | Satisfactory |
| 19 | 10,00 | 0,14 | Satisfactory |
| 11 | 10,01 | 0,14 | Satisfactory |
| 14 | 11,00 | 0,35 | Satisfactory |
| 51 | 11,21 | 0,39 | Satisfactory |
| 41 | 11,32 | 0,41 | Satisfactory |
| 43 | 11,83 | 0,52 | Satisfactory |
| 52 | 11,99 | 0,56 | Satisfactory |
| 57 | 12,10 | 0,58 | Satisfactory |
| 46 | 12,20 | 0,60 | Satisfactory |
| 13 | 12,36 | 0,63 | Satisfactory |
| 37 | 12,50 | 0,66 | Satisfactory |
| 20 | 12,94 | 0,76 | Satisfactory |
| 56 | 13,80 | 0,94 | Satisfactory |
| 12 | 13,90 | 0,96 | Satisfactory |
| 9 | 13,99 | 0,98 | Satisfactory |
| 35 | 14,16 | 1,01 | Satisfactory |
| 3 | 14,18 | 1,02 | Satisfactory |
| 6 | 16,00 | 1,40 | Satisfactory |
| 49 | 17,40 | 1,70 | Satisfactory |
| 27 | 19,56 | 2,16 | Questionable |
| 7 | >10 | | |
| 18 | >10 | | |
| 22 | >2,5 | | |
| 42 | >3,1 | | |

| Lab. | BE (ng/mg) | Z-score | Result |
|------|------------|---------|--------|
| 44 | >4 | | |
| 10 | >5 | | |
| 58 | N | | |

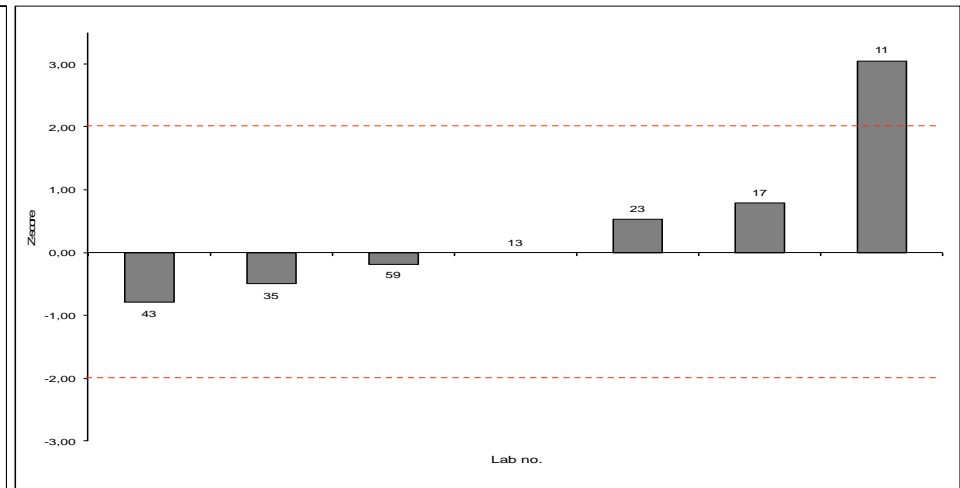
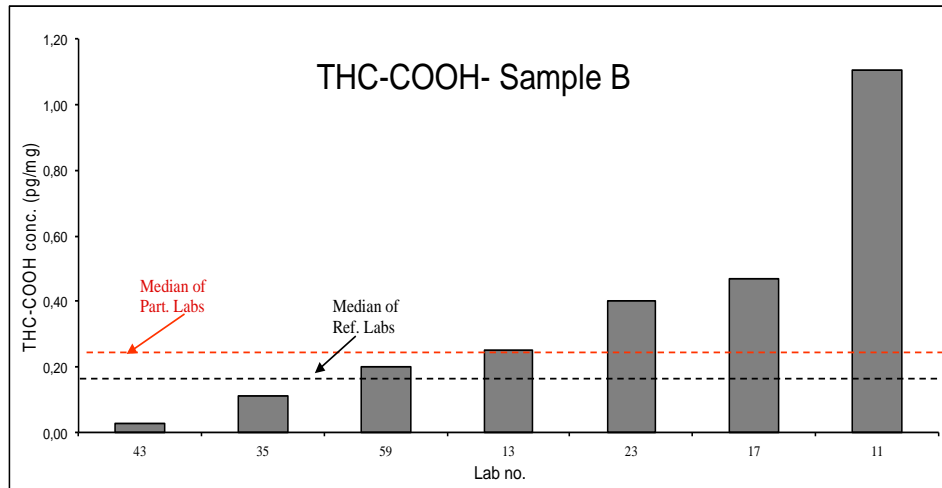
| | |
|-------------|-------|
| Average | 9,78 |
| SD | 3,53 |
| CV% | 36,08 |
| Median | 9,36 |
| Minimum | 2,19 |
| Quartile 25 | 7,40 |
| Quartile 75 | 12,13 |
| Maximum | 19,56 |
| Iqr | 4,73 |



| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 11 | 0,05 | -0,84 | Satisfactory |
| 56 | 0,05 | -0,80 | Satisfactory |
| 8 | 0,06 | -0,60 | Satisfactory |
| 15 | 0,06 | -0,60 | Satisfactory |
| 30 | 0,06 | -0,60 | Satisfactory |
| 18 | 0,06 | -0,56 | Satisfactory |
| 29 | 0,07 | -0,42 | Satisfactory |
| 6 | 0,07 | -0,40 | Satisfactory |
| 12 | 0,08 | -0,24 | Satisfactory |
| 48 | 0,08 | -0,24 | Satisfactory |
| 1 | 0,08 | -0,20 | Satisfactory |
| 23 | 0,08 | -0,20 | Satisfactory |
| 47 | 0,08 | -0,20 | Satisfactory |
| 51 | 0,08 | -0,20 | Satisfactory |
| 54 | 0,08 | -0,12 | Satisfactory |
| 36 | 0,09 | -0,08 | Satisfactory |
| 25 | 0,09 | 0,00 | Satisfactory |
| 31 | 0,09 | 0,00 | Satisfactory |
| 59 | 0,09 | 0,00 | Satisfactory |
| 17 | 0,09 | 0,04 | Satisfactory |
| 42 | 0,10 | 0,20 | Satisfactory |
| 46 | 0,10 | 0,20 | Satisfactory |
| 53 | 0,10 | 0,26 | Satisfactory |
| 60 | 0,10 | 0,26 | Satisfactory |
| 39 | 0,12 | 0,58 | Satisfactory |
| 43 | 0,12 | 0,60 | Satisfactory |

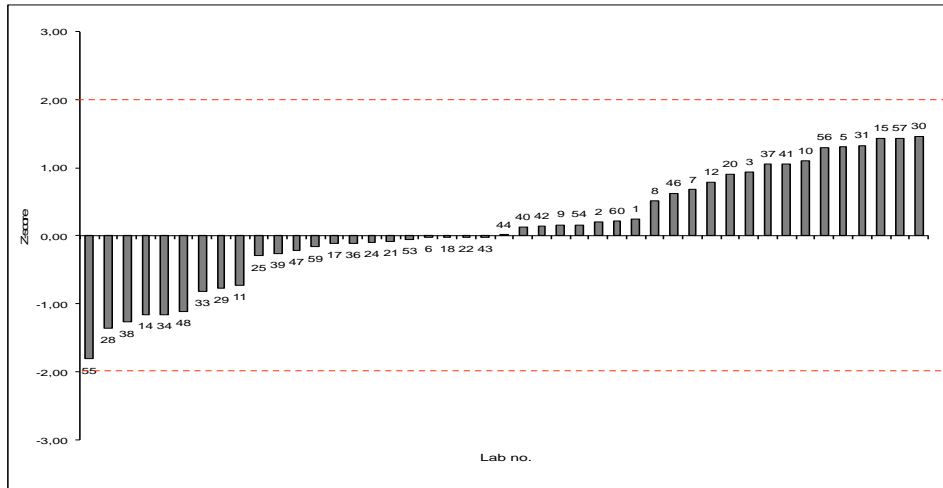
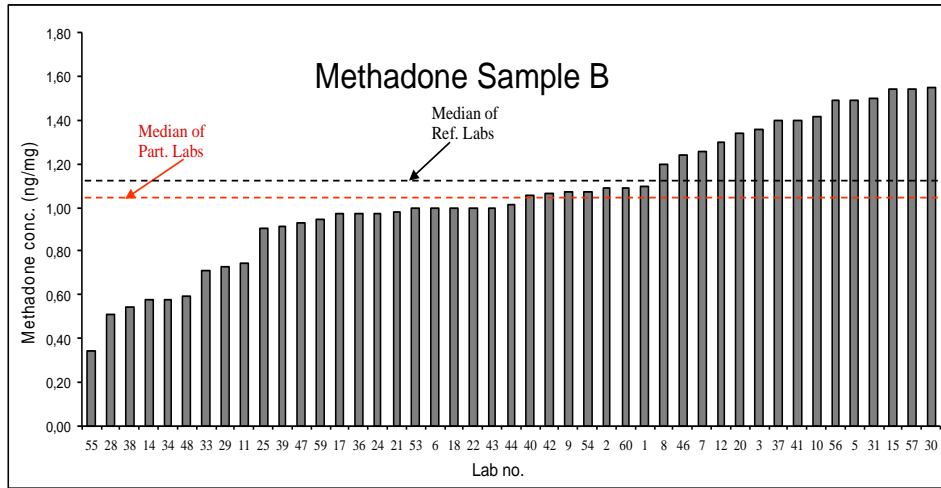
| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|----------------|
| 44 | 0,12 | 0,62 | Satisfactory |
| 2 | 0,13 | 0,78 | Satisfactory |
| 24 | 0,13 | 0,78 | Satisfactory |
| 40 | 0,16 | 1,34 | Satisfactory |
| 21 | 0,16 | 1,36 | Satisfactory |
| 41 | 0,18 | 1,80 | Satisfactory |
| 28 | 0,19 | 2,00 | Questionable |
| 5 | 0,20 | 2,22 | Questionable |
| 20 | 0,21 | 2,34 | Questionable |
| 19 | 0,25 | 3,20 | Unsatisfactory |
| 58 | P | | |
| 9 | N | | |
| 33 | N | | |
| 34 | N | | |
| 55 | N | | |

| | |
|-------------|-------|
| Average | 0,11 |
| SD | 0,05 |
| CV% | 44,87 |
| Median | 0,09 |
| Minimum | 0,05 |
| Quartile 25 | 0,08 |
| Quartile 75 | 0,12 |
| Maximum | 0,25 |
| Iqr | 0,05 |



| Lab. | THC-COOH (pg/mg) | Z-score | Result |
|------|------------------|---------|----------------|
| 43 | 0,03 | -0,79 | Satisfactory |
| 35 | 0,11 | -0,50 | Satisfactory |
| 59 | 0,20 | -0,18 | Satisfactory |
| 13 | 0,25 | 0,00 | Satisfactory |
| 23 | 0,40 | 0,54 | Satisfactory |
| 17 | 0,47 | 0,79 | Satisfactory |
| 11 | 1,11 | 3,05 | Unsatisfactory |
| 30 | <0,2 | | |
| 1 | N | | |
| 2 | N | | |
| 9 | N | | |
| 12 | N | | |
| 19 | N | | |
| 25 | N | | |
| 36 | N | | |
| 42 | N | | |
| 52 | N | | |
| 54 | N | | |
| 55 | N | | |
| 60 | N | | |

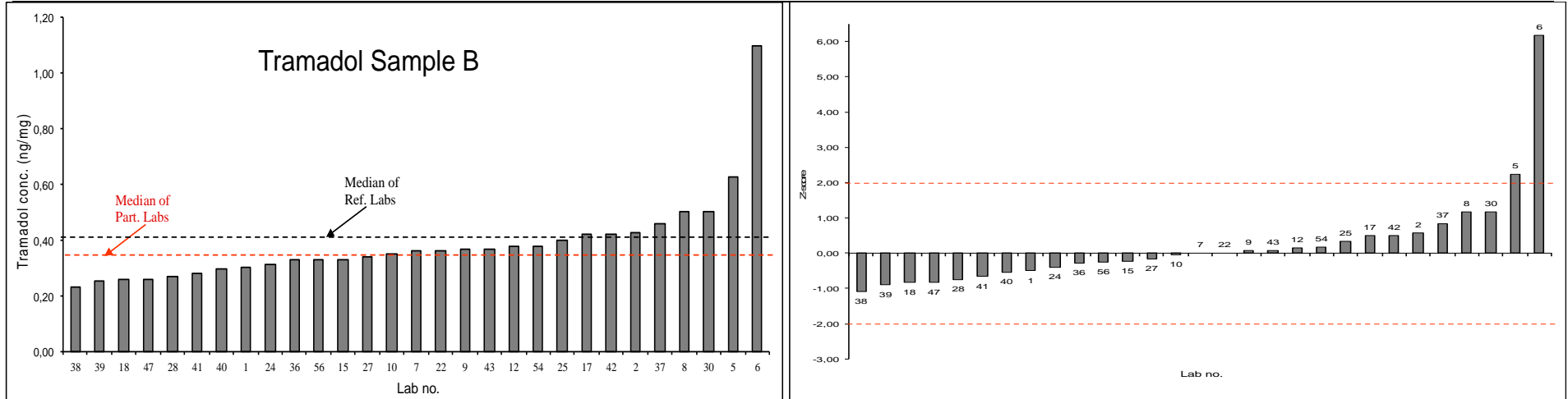
| | |
|-------------|-------|
| Average | 0,37 |
| SD | 0,33 |
| CV% | 90,95 |
| Median | 0,25 |
| Minimum | 0,03 |
| Quartile 25 | 0,16 |
| Quartile 75 | 0,44 |
| Maximum | 1,11 |
| Iqr | 0,28 |



| Lab | Methadone (ng/mg) | Z-score | Result |
|-----|-------------------|---------|--------------|
| 55 | 0,34 | -1,81 | Satisfactory |
| 28 | 0,51 | -1,35 | Satisfactory |
| 38 | 0,54 | -1,27 | Satisfactory |
| 14 | 0,58 | -1,16 | Satisfactory |
| 34 | 0,58 | -1,16 | Satisfactory |
| 48 | 0,60 | -1,11 | Satisfactory |
| 33 | 0,71 | -0,81 | Satisfactory |
| 29 | 0,73 | -0,77 | Satisfactory |
| 11 | 0,74 | -0,72 | Satisfactory |
| 25 | 0,90 | -0,30 | Satisfactory |
| 39 | 0,92 | -0,26 | Satisfactory |
| 47 | 0,93 | -0,22 | Satisfactory |
| 59 | 0,95 | -0,16 | Satisfactory |
| 17 | 0,97 | -0,11 | Satisfactory |
| 36 | 0,97 | -0,11 | Satisfactory |
| 24 | 0,97 | -0,10 | Satisfactory |
| 21 | 0,98 | -0,08 | Satisfactory |
| 53 | 0,99 | -0,05 | Satisfactory |
| 6 | 1,00 | -0,03 | Satisfactory |
| 18 | 1,00 | -0,03 | Satisfactory |
| 22 | 1,00 | -0,03 | Satisfactory |
| 43 | 1,00 | -0,03 | Satisfactory |
| 44 | 1,01 | 0,01 | Satisfactory |
| 40 | 1,06 | 0,13 | Satisfactory |
| 42 | 1,06 | 0,14 | Satisfactory |
| 9 | 1,07 | 0,16 | Satisfactory |

| Lab | Methadone (ng/mg) | Z-score | Result |
|-----|-------------------|---------|--------------|
| 54 | 1,07 | 0,16 | Satisfactory |
| 2 | 1,09 | 0,21 | Satisfactory |
| 60 | 1,09 | 0,22 | Satisfactory |
| 1 | 1,10 | 0,24 | Satisfactory |
| 8 | 1,20 | 0,51 | Satisfactory |
| 46 | 1,24 | 0,62 | Satisfactory |
| 7 | 1,26 | 0,68 | Satisfactory |
| 12 | 1,30 | 0,78 | Satisfactory |
| 20 | 1,34 | 0,90 | Satisfactory |
| 3 | 1,36 | 0,94 | Satisfactory |
| 37 | 1,40 | 1,05 | Satisfactory |
| 41 | 1,40 | 1,05 | Satisfactory |
| 10 | 1,42 | 1,10 | Satisfactory |
| 56 | 1,49 | 1,30 | Satisfactory |
| 5 | 1,49 | 1,31 | Satisfactory |
| 31 | 1,50 | 1,32 | Satisfactory |
| 15 | 1,54 | 1,43 | Satisfactory |
| 57 | 1,54 | 1,43 | Satisfactory |
| 30 | 1,55 | 1,46 | Satisfactory |
| 49 | P | | |
| 58 | P | | |
| 50 | N | | |

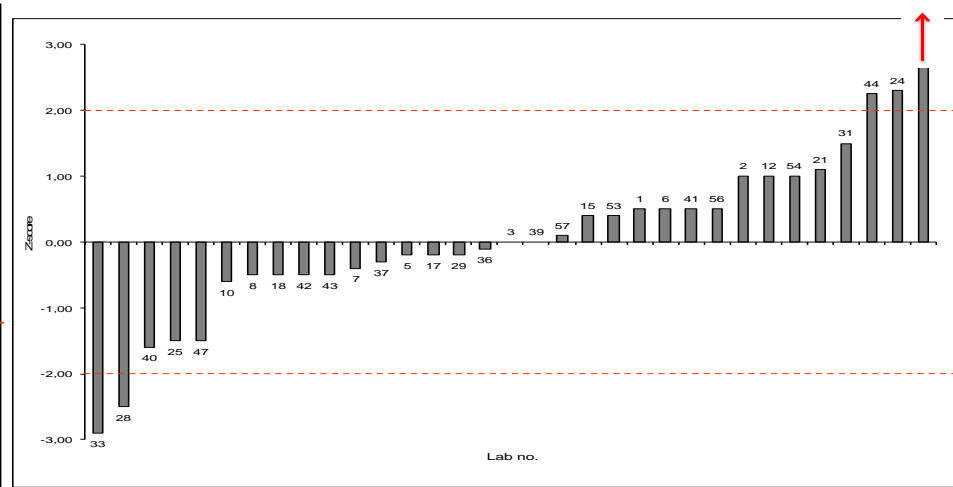
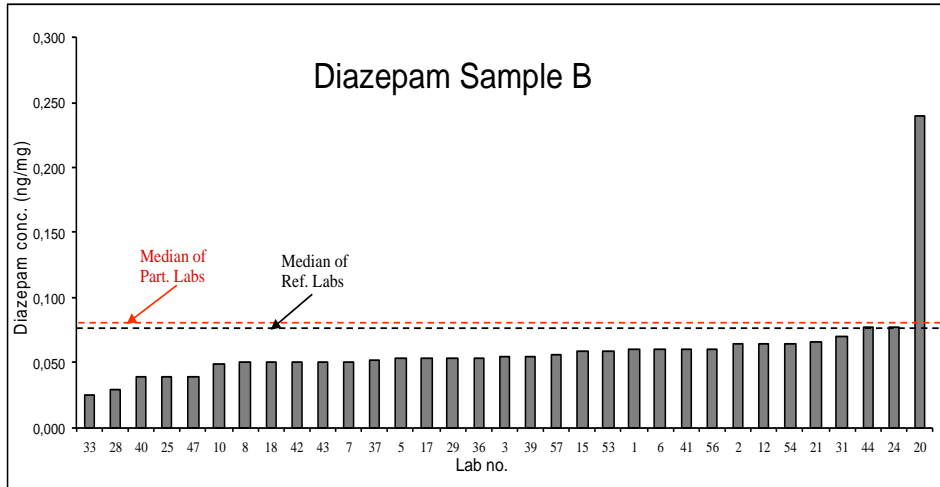
| | |
|-------------|-------|
| Average | 1,06 |
| SD | 0,30 |
| CV% | 28,86 |
| Median | 1,01 |
| Minimum | 0,34 |
| Quartile 25 | 0,93 |
| Quartile 75 | 1,30 |
| Maximum | 1,55 |
| Iqr | 0,37 |



| Lab. | Tramadol (ng/mg) | Z-score | Result |
|------|------------------|---------|--------------|
| 38 | 0,23 | -1,08 | Satisfactory |
| 39 | 0,25 | -0,90 | Satisfactory |
| 18 | 0,26 | -0,83 | Satisfactory |
| 47 | 0,26 | -0,83 | Satisfactory |
| 28 | 0,27 | -0,75 | Satisfactory |
| 41 | 0,28 | -0,67 | Satisfactory |
| 40 | 0,30 | -0,54 | Satisfactory |
| 1 | 0,30 | -0,50 | Satisfactory |
| 24 | 0,31 | -0,39 | Satisfactory |
| 36 | 0,33 | -0,27 | Satisfactory |
| 56 | 0,33 | -0,25 | Satisfactory |
| 15 | 0,33 | -0,23 | Satisfactory |
| 27 | 0,34 | -0,17 | Satisfactory |
| 10 | 0,35 | -0,05 | Satisfactory |
| 7 | 0,36 | 0,00 | Satisfactory |
| 22 | 0,36 | 0,00 | Satisfactory |
| 9 | 0,37 | 0,08 | Satisfactory |
| 43 | 0,37 | 0,08 | Satisfactory |
| 12 | 0,38 | 0,15 | Satisfactory |
| 54 | 0,38 | 0,17 | Satisfactory |
| 25 | 0,40 | 0,33 | Satisfactory |
| 17 | 0,42 | 0,50 | Satisfactory |
| 42 | 0,42 | 0,50 | Satisfactory |
| 2 | 0,43 | 0,58 | Satisfactory |
| 37 | 0,46 | 0,83 | Satisfactory |
| 8 | 0,50 | 1,17 | Satisfactory |

| Lab. | Tramadol (ng/mg) | Z-score | Result |
|------|------------------|---------|----------------|
| 30 | 0,50 | 1,17 | Satisfactory |
| 5 | 0,63 | 2,24 | Questionable |
| 6 | 1,10 | 6,17 | Unsatisfactory |
| 49 | P | | |
| 14 | N | | |

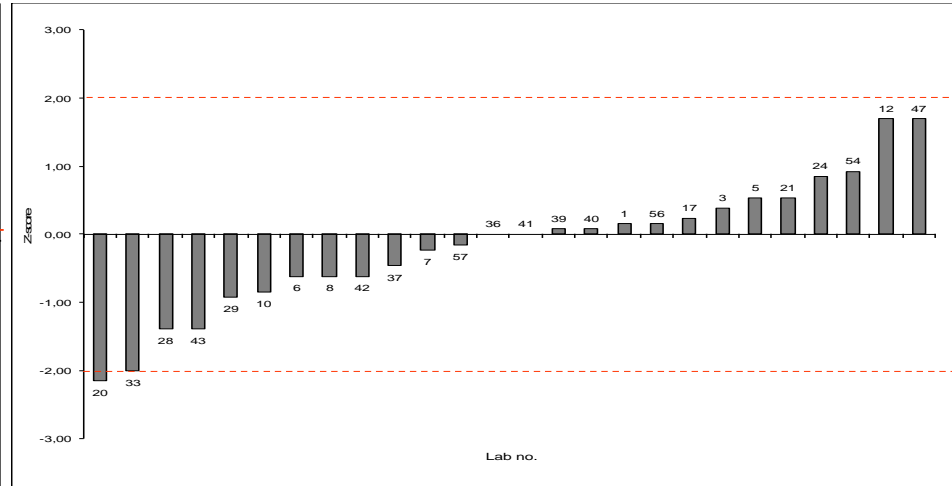
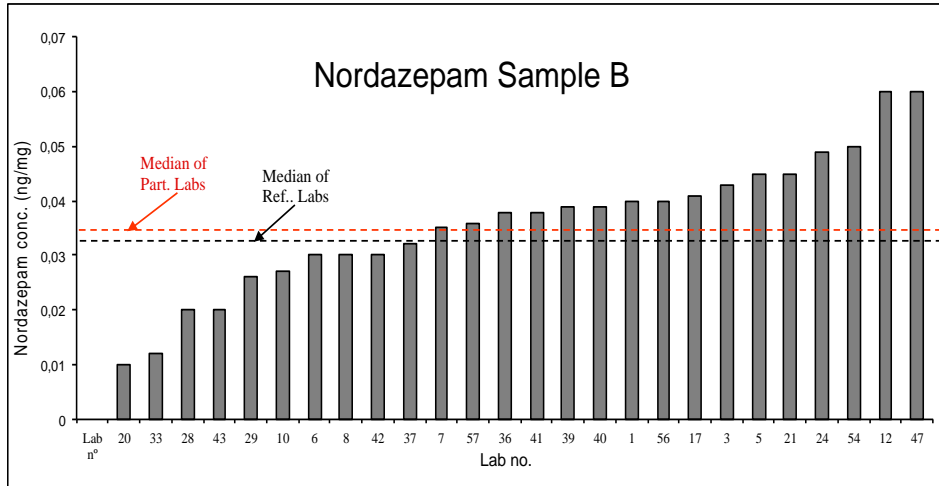
| | |
|-------------|-------|
| Average | 0,39 |
| SD | 0,16 |
| CV% | 41,26 |
| Median | 0,36 |
| Minimum | 0,23 |
| Quartile 25 | 0,30 |
| Quartile 75 | 0,42 |
| Maximum | 1,10 |
| Iqr | 0,12 |



| Lab. | Diazepam (ng/mg) | Z-score | Result |
|------|------------------|---------|--------------|
| 33 | 0,026 | -2,90 | Questionable |
| 28 | 0,030 | -2,50 | Questionable |
| 40 | 0,039 | -1,60 | Satisfactory |
| 25 | 0,040 | -1,50 | Satisfactory |
| 47 | 0,040 | -1,50 | Satisfactory |
| 10 | 0,049 | -0,60 | Satisfactory |
| 8 | 0,050 | -0,50 | Satisfactory |
| 18 | 0,050 | -0,50 | Satisfactory |
| 42 | 0,050 | -0,50 | Satisfactory |
| 43 | 0,050 | -0,50 | Satisfactory |
| 7 | 0,051 | -0,40 | Satisfactory |
| 37 | 0,052 | -0,30 | Satisfactory |
| 5 | 0,053 | -0,20 | Satisfactory |
| 17 | 0,053 | -0,20 | Satisfactory |
| 29 | 0,053 | -0,20 | Satisfactory |
| 36 | 0,054 | -0,10 | Satisfactory |
| 3 | 0,055 | 0,00 | Satisfactory |
| 39 | 0,055 | 0,00 | Satisfactory |
| 57 | 0,056 | 0,10 | Satisfactory |
| 15 | 0,059 | 0,40 | Satisfactory |
| 53 | 0,059 | 0,40 | Satisfactory |
| 1 | 0,060 | 0,50 | Satisfactory |
| 6 | 0,060 | 0,50 | Satisfactory |
| 41 | 0,060 | 0,50 | Satisfactory |
| 56 | 0,060 | 0,50 | Satisfactory |
| 2 | 0,065 | 1,00 | Satisfactory |

| Lab. | Diazepam (ng/mg) | Z-score | Result |
|------|------------------|---------|----------------|
| 12 | 0,065 | 1,00 | Satisfactory |
| 54 | 0,065 | 1,00 | Satisfactory |
| 21 | 0,066 | 1,10 | Satisfactory |
| 31 | 0,070 | 1,50 | Satisfactory |
| 44 | 0,078 | 2,25 | Questionable |
| 24 | 0,078 | 2,30 | Questionable |
| 20 | 0,240 | 18,50 | Unsatisfactory |
| 30 | <0,15 | | |
| 9 | N | | |
| 35 | N | | |
| 38 | N | | |
| 49 | N | | |
| 60 | N | | |

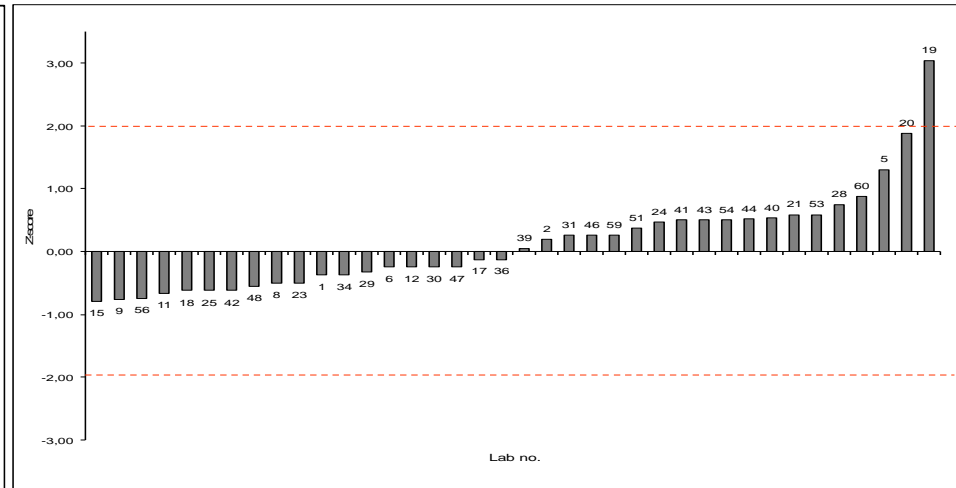
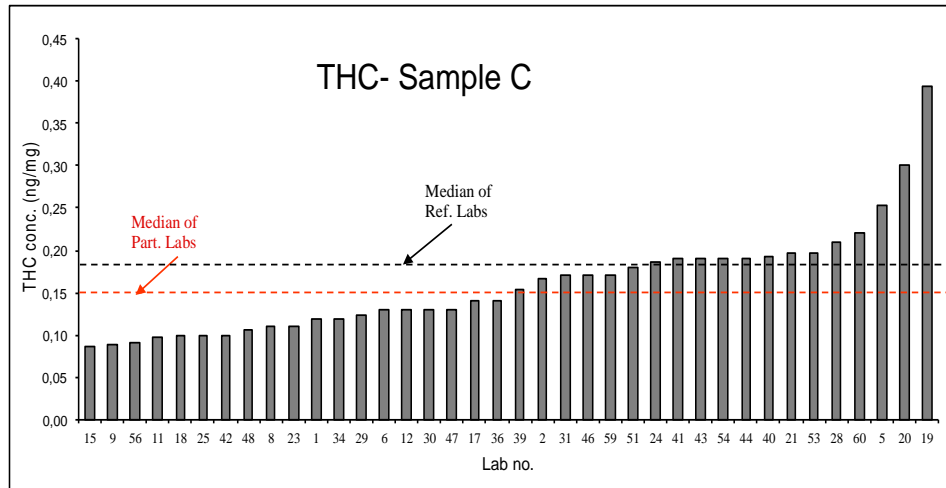
| | |
|-------------|--------|
| Average | 0,060 |
| SD | 0,034 |
| CV% | 55,851 |
| Median | 0,055 |
| Minimum | 0,026 |
| Quartile 25 | 0,050 |
| Quartile 75 | 0,060 |
| Maximum | 0,240 |
| Iqr | 0,010 |



| Lab. | Nordazepam (ng/mg) | Z-score | Result |
|------|--------------------|---------|--------------|
| 20 | 0,010 | -2,15 | Questionable |
| 33 | 0,012 | -2,00 | Questionable |
| 28 | 0,020 | -1,38 | Satisfactory |
| 43 | 0,020 | -1,38 | Satisfactory |
| 29 | 0,026 | -0,92 | Satisfactory |
| 10 | 0,027 | -0,85 | Satisfactory |
| 6 | 0,030 | -0,62 | Satisfactory |
| 8 | 0,030 | -0,62 | Satisfactory |
| 42 | 0,030 | -0,62 | Satisfactory |
| 37 | 0,032 | -0,46 | Satisfactory |
| 7 | 0,035 | -0,23 | Satisfactory |
| 57 | 0,036 | -0,15 | Satisfactory |
| 36 | 0,038 | 0,00 | Satisfactory |
| 41 | 0,038 | 0,00 | Satisfactory |
| 39 | 0,039 | 0,08 | Satisfactory |
| 40 | 0,039 | 0,08 | Satisfactory |
| 1 | 0,040 | 0,15 | Satisfactory |
| 56 | 0,040 | 0,15 | Satisfactory |
| 17 | 0,041 | 0,23 | Satisfactory |
| 3 | 0,043 | 0,38 | Satisfactory |
| 5 | 0,045 | 0,54 | Satisfactory |
| 21 | 0,045 | 0,54 | Satisfactory |
| 24 | 0,049 | 0,85 | Satisfactory |
| 54 | 0,050 | 0,92 | Satisfactory |
| 12 | 0,060 | 1,69 | Satisfactory |
| 47 | 0,060 | 1,69 | Satisfactory |

| Lab. | Nordazepam (ng/mg) | Z-score | Result |
|------|--------------------|---------|--------|
| 30 | <0,15 | | |
| 2 | N | | |
| 9 | N | | |
| 18 | N | | |
| 25 | N | | |
| 31 | N | | |
| 35 | N | | |
| 38 | N | | |
| 44 | N | | |
| 49 | N | | |
| 53 | N | | |
| 60 | N | | |

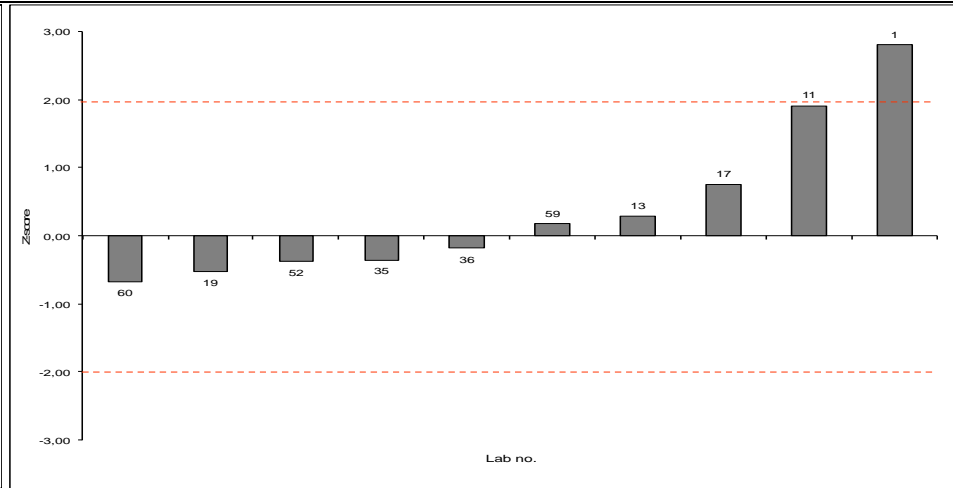
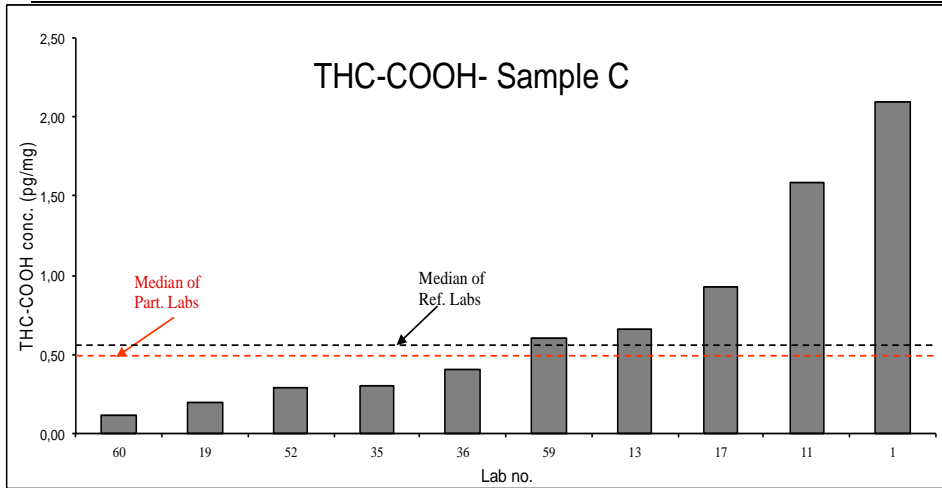
| | |
|-------------|--------|
| Average | 0,036 |
| SD | 0,012 |
| CV% | 33,974 |
| Median | 0,038 |
| Minimum | 0,010 |
| Quartile 25 | 0,030 |
| Quartile 75 | 0,043 |
| Maximum | 0,060 |
| Iqr | 0,013 |



| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|--------------|
| 15 | 0,09 | -0,80 | Satisfactory |
| 9 | 0,09 | -0,76 | Satisfactory |
| 56 | 0,09 | -0,75 | Satisfactory |
| 11 | 0,10 | -0,66 | Satisfactory |
| 18 | 0,10 | -0,63 | Satisfactory |
| 25 | 0,10 | -0,63 | Satisfactory |
| 42 | 0,10 | -0,63 | Satisfactory |
| 48 | 0,11 | -0,55 | Satisfactory |
| 8 | 0,11 | -0,50 | Satisfactory |
| 23 | 0,11 | -0,50 | Satisfactory |
| 1 | 0,12 | -0,38 | Satisfactory |
| 34 | 0,12 | -0,38 | Satisfactory |
| 29 | 0,12 | -0,33 | Satisfactory |
| 6 | 0,13 | -0,25 | Satisfactory |
| 12 | 0,13 | -0,25 | Satisfactory |
| 30 | 0,13 | -0,25 | Satisfactory |
| 47 | 0,13 | -0,25 | Satisfactory |
| 17 | 0,14 | -0,13 | Satisfactory |
| 36 | 0,14 | -0,13 | Satisfactory |
| 39 | 0,15 | 0,05 | Satisfactory |
| 2 | 0,17 | 0,20 | Satisfactory |
| 31 | 0,17 | 0,25 | Satisfactory |
| 46 | 0,17 | 0,25 | Satisfactory |
| 59 | 0,17 | 0,25 | Satisfactory |
| 51 | 0,18 | 0,38 | Satisfactory |
| 24 | 0,19 | 0,46 | Satisfactory |

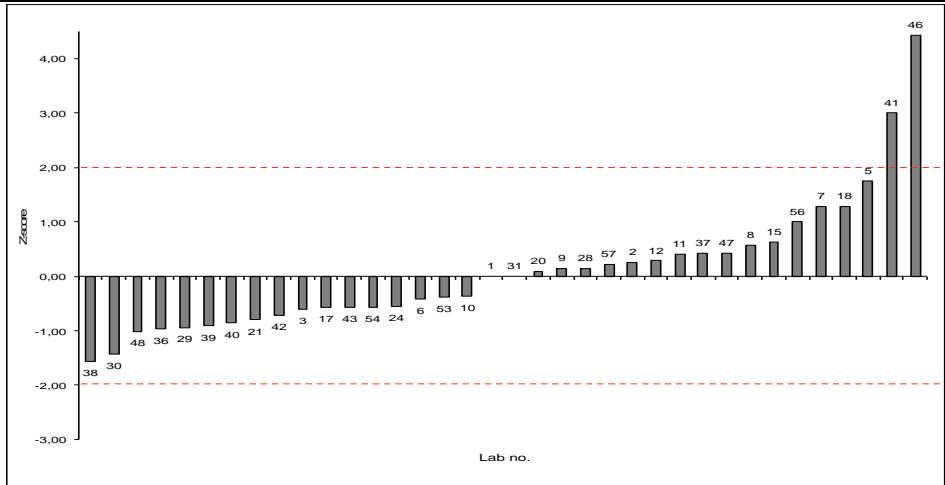
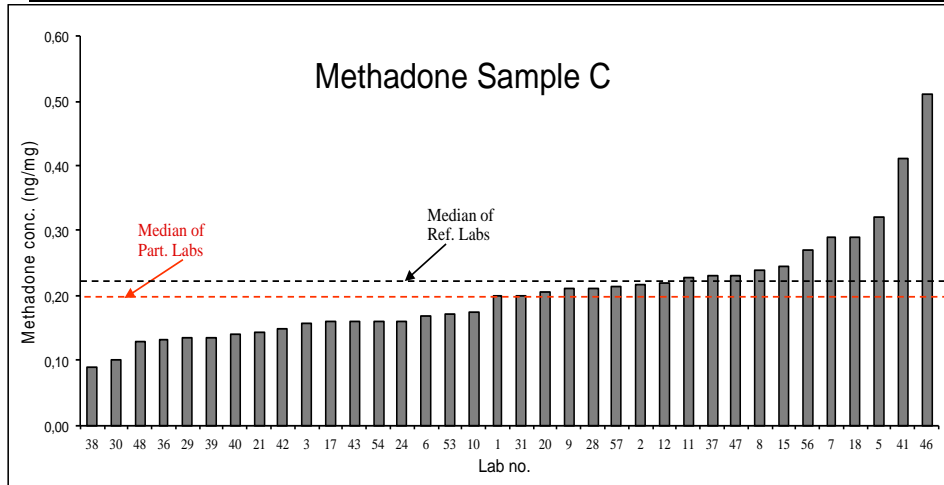
| Lab. | THC (ng/mg) | Z-score | Result |
|------|-------------|---------|----------------|
| 41 | 0,19 | 0,50 | Satisfactory |
| 43 | 0,19 | 0,50 | Satisfactory |
| 54 | 0,19 | 0,50 | Satisfactory |
| 44 | 0,19 | 0,52 | Satisfactory |
| 40 | 0,19 | 0,54 | Satisfactory |
| 21 | 0,20 | 0,59 | Satisfactory |
| 53 | 0,20 | 0,59 | Satisfactory |
| 28 | 0,21 | 0,75 | Satisfactory |
| 60 | 0,22 | 0,88 | Satisfactory |
| 5 | 0,25 | 1,30 | Satisfactory |
| 20 | 0,30 | 1,88 | Satisfactory |
| 19 | 0,39 | 3,04 | Unsatisfactory |
| 33 | P | | |
| 58 | P | | |
| 55 | N | | |

| | |
|-------------|-------|
| Average | 0,16 |
| SD | 0,06 |
| CV% | 38,62 |
| Median | 0,15 |
| Minimum | 0,09 |
| Quartile 25 | 0,11 |
| Quartile 75 | 0,19 |
| Maximum | 0,39 |
| Iqr | 0,08 |



| Lab. | THC-COOH (pg/mg) | Z-score | Result |
|------|------------------|---------|--------------|
| 60 | 0,12 | -0,67 | Satisfactory |
| 19 | 0,20 | -0,53 | Satisfactory |
| 52 | 0,29 | -0,37 | Satisfactory |
| 35 | 0,30 | -0,35 | Satisfactory |
| 36 | 0,40 | -0,18 | Satisfactory |
| 59 | 0,60 | 0,18 | Satisfactory |
| 13 | 0,66 | 0,28 | Satisfactory |
| 17 | 0,93 | 0,75 | Satisfactory |
| 11 | 1,59 | 1,91 | Satisfactory |
| 1 | 2,10 | 2,81 | Questionable |
| 30 | <0,2 | | |
| 54 | <0,5 | | |
| 2 | N | | |
| 9 | N | | |
| 12 | N | | |
| 23 | N | | |
| 25 | N | | |
| 42 | N | | |
| 43 | N | | |
| 55 | N | | |

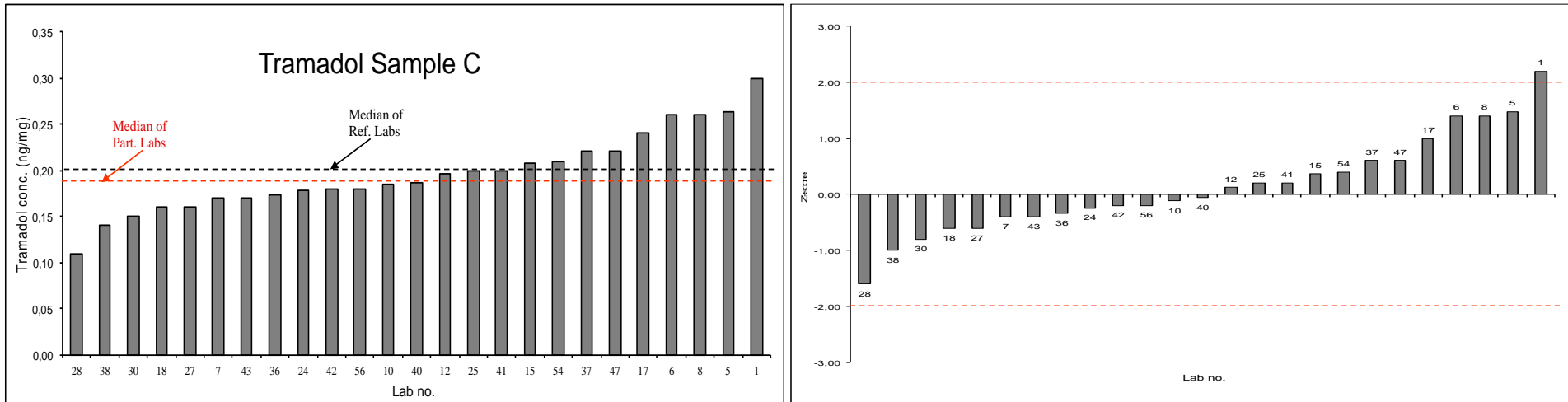
| | |
|-------------|-------|
| Average | 0,72 |
| SD | 0,62 |
| CV% | 85,94 |
| Median | 0,50 |
| Minimum | 0,12 |
| Quartile 25 | 0,29 |
| Quartile 75 | 0,86 |
| Maximum | 2,10 |
| Iqr | 0,57 |



| Lab. | Methadone (ng/mg) | Z-score | Result |
|------|-------------------|---------|--------------|
| 38 | 0,09 | -1,57 | Satisfactory |
| 30 | 0,10 | -1,43 | Satisfactory |
| 48 | 0,13 | -1,01 | Satisfactory |
| 36 | 0,13 | -0,97 | Satisfactory |
| 29 | 0,13 | -0,94 | Satisfactory |
| 39 | 0,14 | -0,91 | Satisfactory |
| 40 | 0,14 | -0,86 | Satisfactory |
| 21 | 0,14 | -0,80 | Satisfactory |
| 42 | 0,15 | -0,71 | Satisfactory |
| 3 | 0,16 | -0,60 | Satisfactory |
| 17 | 0,16 | -0,57 | Satisfactory |
| 43 | 0,16 | -0,57 | Satisfactory |
| 54 | 0,16 | -0,57 | Satisfactory |
| 24 | 0,16 | -0,56 | Satisfactory |
| 6 | 0,17 | -0,43 | Satisfactory |
| 53 | 0,17 | -0,39 | Satisfactory |
| 10 | 0,18 | -0,36 | Satisfactory |
| 1 | 0,20 | 0,00 | Satisfactory |
| 31 | 0,20 | 0,00 | Satisfactory |
| 20 | 0,21 | 0,09 | Satisfactory |
| 9 | 0,21 | 0,14 | Satisfactory |
| 28 | 0,21 | 0,14 | Satisfactory |
| 57 | 0,22 | 0,21 | Satisfactory |
| 2 | 0,22 | 0,26 | Satisfactory |
| 12 | 0,22 | 0,29 | Satisfactory |
| 11 | 0,23 | 0,40 | Satisfactory |

| Lab. | Methadone (ng/mg) | Z-score | Result |
|------|-------------------|---------|----------------|
| 11 | 0,23 | 0,40 | Satisfactory |
| 37 | 0,23 | 0,43 | Satisfactory |
| 47 | 0,23 | 0,43 | Satisfactory |
| 8 | 0,24 | 0,57 | Satisfactory |
| 15 | 0,24 | 0,63 | Satisfactory |
| 56 | 0,27 | 1,00 | Satisfactory |
| 7 | 0,29 | 1,29 | Satisfactory |
| 18 | 0,29 | 1,29 | Satisfactory |
| 5 | 0,32 | 1,74 | Satisfactory |
| 41 | 0,41 | 3,00 | Unsatisfactory |
| 46 | 0,51 | 4,43 | Unsatisfactory |
| 22 | <0,25 | | |
| 49 | P | | |
| 25 | N | | |
| 33 | N | | |
| 34 | N | | |
| 44 | N | | |
| 50 | N | | |
| 55 | N | | |
| 58 | N | | |
| 59 | N | | |
| 60 | N | | |

| | |
|-------------|-------|
| Average | 0,21 |
| SD | 0,08 |
| CV% | 39,81 |
| Median | 0,20 |
| Minimum | 0,09 |
| Quartile 25 | 0,16 |
| Quartile 75 | 0,23 |
| Maximum | 0,51 |
| Iqr | 0,07 |



| Lab. | Tramadol (ng/mg) | Z-score | Result |
|------|------------------|---------|--------------|
| 28 | 0,11 | -1,60 | Satisfactory |
| 38 | 0,14 | -1,00 | Satisfactory |
| 30 | 0,15 | -0,80 | Satisfactory |
| 18 | 0,16 | -0,60 | Satisfactory |
| 27 | 0,16 | -0,60 | Satisfactory |
| 7 | 0,17 | -0,40 | Satisfactory |
| 43 | 0,17 | -0,40 | Satisfactory |
| 36 | 0,17 | -0,34 | Satisfactory |
| 24 | 0,18 | -0,24 | Satisfactory |
| 42 | 0,18 | -0,20 | Satisfactory |
| 56 | 0,18 | -0,20 | Satisfactory |
| 10 | 0,18 | -0,12 | Satisfactory |
| 40 | 0,19 | -0,06 | Satisfactory |
| 12 | 0,20 | 0,12 | Satisfactory |
| 25 | 0,20 | 0,20 | Satisfactory |
| 41 | 0,20 | 0,20 | Satisfactory |
| 15 | 0,21 | 0,36 | Satisfactory |
| 54 | 0,21 | 0,40 | Satisfactory |
| 37 | 0,22 | 0,60 | Satisfactory |
| 47 | 0,22 | 0,60 | Satisfactory |
| 17 | 0,24 | 1,00 | Satisfactory |
| 6 | 0,26 | 1,40 | Satisfactory |
| 8 | 0,26 | 1,40 | Satisfactory |
| 5 | 0,26 | 1,48 | Satisfactory |
| 1 | 0,30 | 2,20 | Questionable |
| 39 | <0,2 | | |

| Lab. | Tramadol (ng/mg) | Z-score | Result |
|------|------------------|---------|--------|
| 22 | <0,25 | | |
| 2 | N | | |
| 9 | N | | |
| 49 | N | | |
| 60 | N | | |

| | |
|-------------|-------|
| Average | 0,20 |
| SD | 0,04 |
| CV% | 21,62 |
| Median | 0,19 |
| Minimum | 0,11 |
| Quartile 25 | 0,17 |
| Quartile 75 | 0,22 |
| Maximum | 0,30 |
| Iqr | 0,05 |